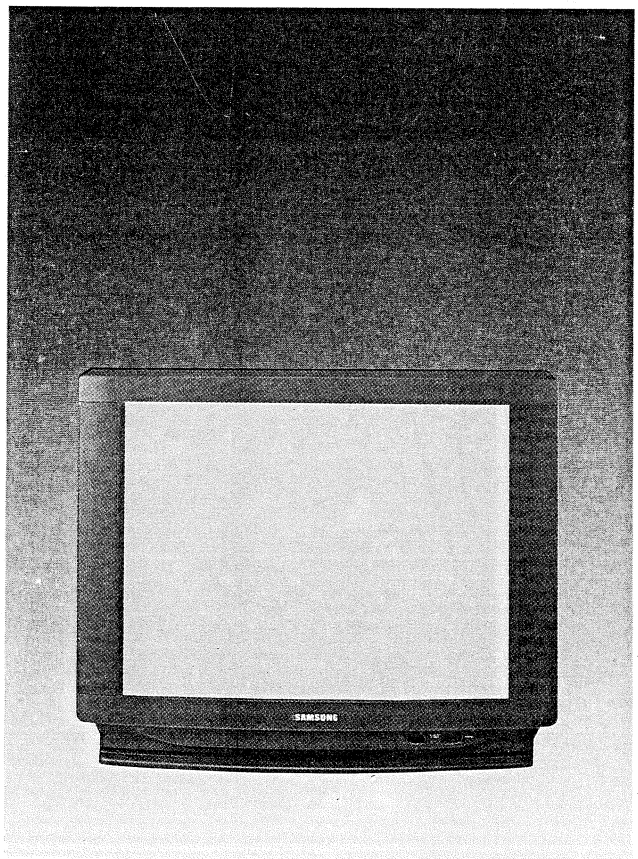
SAMSUNG

COLOR TELEVISION RECEIVER

CHASSIS : SCT12B

SERVICE Manual

COLOR TELEVISION RECEIVER



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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

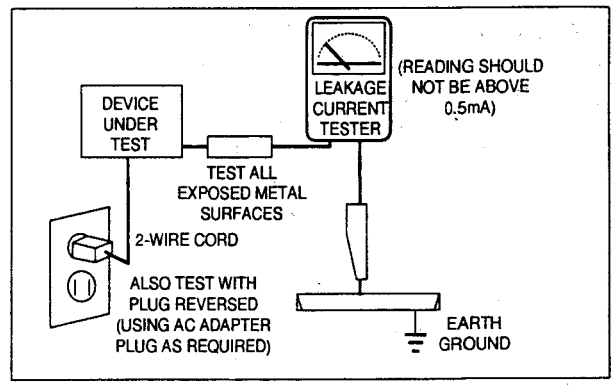
2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children--might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances)*, and Underwriters Laboratories *(UL Publication UL1410, 59.7).*

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.


LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
DEVICE UNDER TEST
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND
Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the *X-ray Protection Specifications Label,* and the *Product Safety and X-ray Warning Note* on the service data schematic.

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, *regardless of the AC plug polarity*. These units can be safely serviced *only* if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.
2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.
3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.
5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
8. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)
3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.
4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.
5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.
6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.
7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

Memo

2. Specifications and IC Data

2-1 Specifications

Television System:

MODEL	SYSTEM
CI	PAL-I (UHF)
CII	PAL-I (VHF/UHF)
CX	PAL-B/G, SECAM-B/G
CK	PAL-B/G, D/K, SECAM-B/G, D/K
CW	PAL-B/G, D/K, SECAM-B/G, D/K, NT 4.43
CS	PAL-B/G, D/K, PAL-I, SECAM-B/G, D/K, NT4.43, NT3.58

Channels:

System / Band	PAL/SECAM-B/G,I	PAL, SECAM- D/K	SECAM-K1, PAL-D	NTSC - M
VHF	2 - 12	1 - 13	2 - 9	2 - 13
UHF	21 - 69	21 - 69	13 - 57	14-69

Intermediate Frequencies (MHz) :

SYSTEM / IF Carrier Frequency	PAL/ SECAM- B/G	PAL/SECAM-D/K, SECAM-K1	PAL - I	NTSC - M
Picture IF Carrier	38.90	38.90	38.90	38.90
Sound IF Carrier	33.40	32.40	32.90	34.40
Color Sub Carrier	34.47	34.47	34.47	35.32

Picture Tube:

25 Inch	A59KPR84X05 (B)	SED CPT	Quick start, In-line-gun, Black stripe, 110° degree deflection
	A59EAK71X01	PHILIPS CPT	
28/29 Inch	A68KVM74X02 (B)	SED CPT	
	A66EAK71X01	PHILIPS CPT	

Power Requirements: AC 100~260V, 50/60Hz

Antenna Input Impedance: VHF, UHF : Telescopic dipole antenna (75 ohm unbalanced type)

Speaker Impedance 8 ohm, 10W+10W (Semi-Dome)

2-2 IC Line Up

Table 2-1 IC Line-Up

Loc. No	Specification	Description	Remark
HIC101	PAP101T	IF PRE-AMP	
IC201	TDA8374A	PAL-B/G, SECAM-B/G	
	TDA8374A	PAL-B/G, SECAM-B/G, NTSC	
	TDA8374	PAL-B/G, SECAM-B/G, NTSC, SECAM-L	
	TDA8375A	PAL-B/G, SECAM-B/G, NTSC, SECAM-L, E/W ADJ.	
	TDA8375	PAL-B/G, SECAM-B/G, NTSC, SECAM-L, E/W ADJ.,16:9	
IC202	TDA4665	1H DELAY	
IC203	TDA8395	SECAM DECODER	
IC301	TDA8350Q	VERTICAL DEFLECTION AMP	
IC401	KA7812	REGULATOR (12V)	
IC501	TDA6101Q	RGB DRIVE AMP	
IC502	TDA6101Q	RGB DRIVE AMP	
IC503	TDA6101Q	RGB DRIVE AMP	
IC504	SPK101T	SPOT-KILLER	
IC601	TDA7394	SOUND-AMP (10W+10W)	
	TDA7266	SOUND-AMP (7W+7W)	
IC801	STR6709	POWER IC (STR)	
IC802	TDA8133	CUSTOM REGULATOR (5V, 8V)	
IC803	SE130N	ERROR AMP	SED CPT
	SE140N		PHILIPS CPT
IC804	KA78R05	REGULATOR (5V)	
ICT01	SAA5281 P/E	TTX-DECODER	
ICT02	T900580	TTX-CONTROLLER	
ICT04	X24C02	E^2-PROM	
IC901	Z8933212	μ-com	
IC902	AT24C04	E^2-PROM	

2-3 Semiconductor Base Diagrams

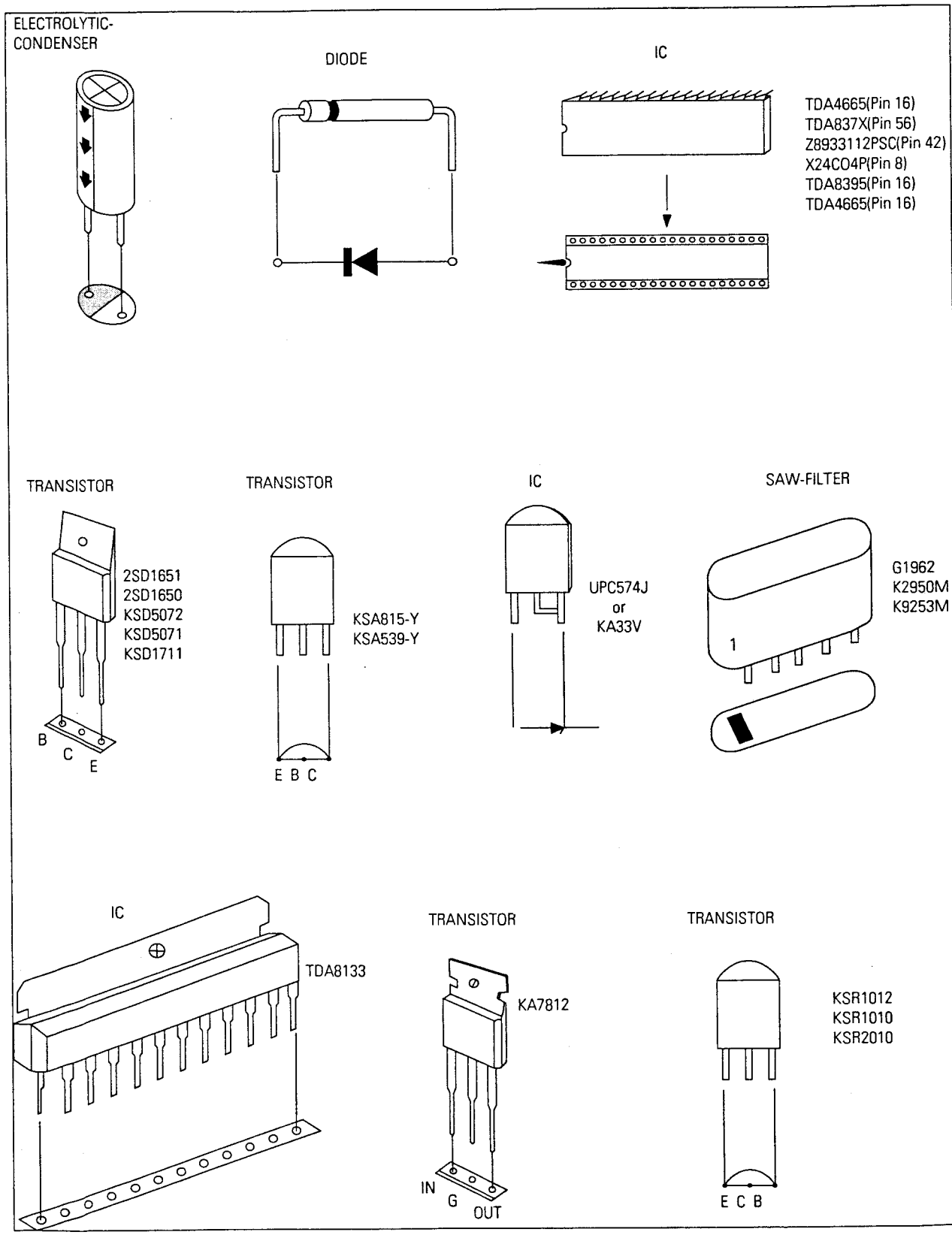


Fig.2-1 Semiconductor Base Diagrams

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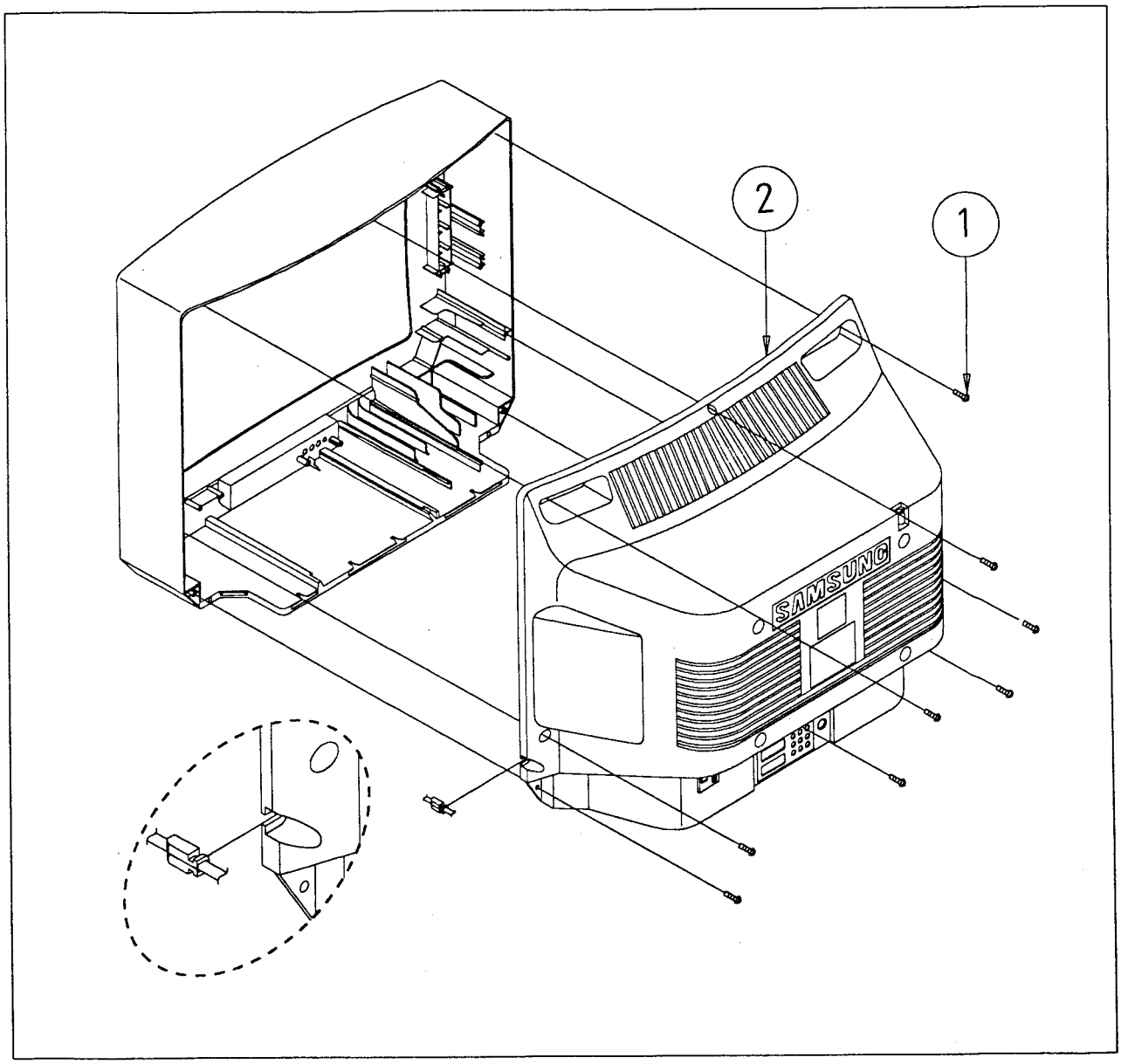
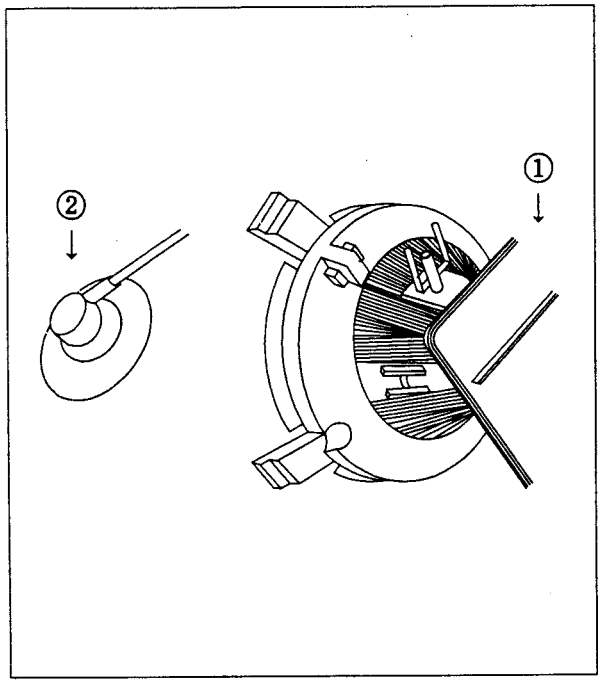
3. Disassembly and Reassembly

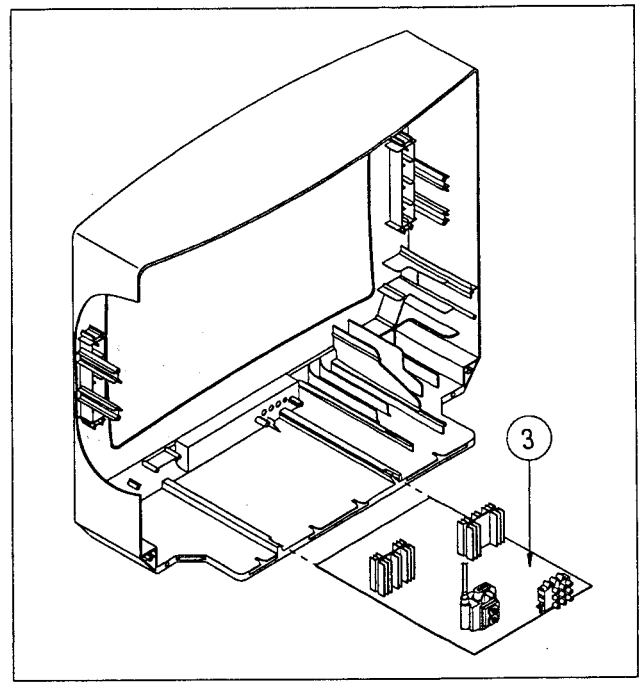
3-1 Back Cover Removal



1. After removing the screws, pull the cabinet backwards.

3-2 Main Board Removal



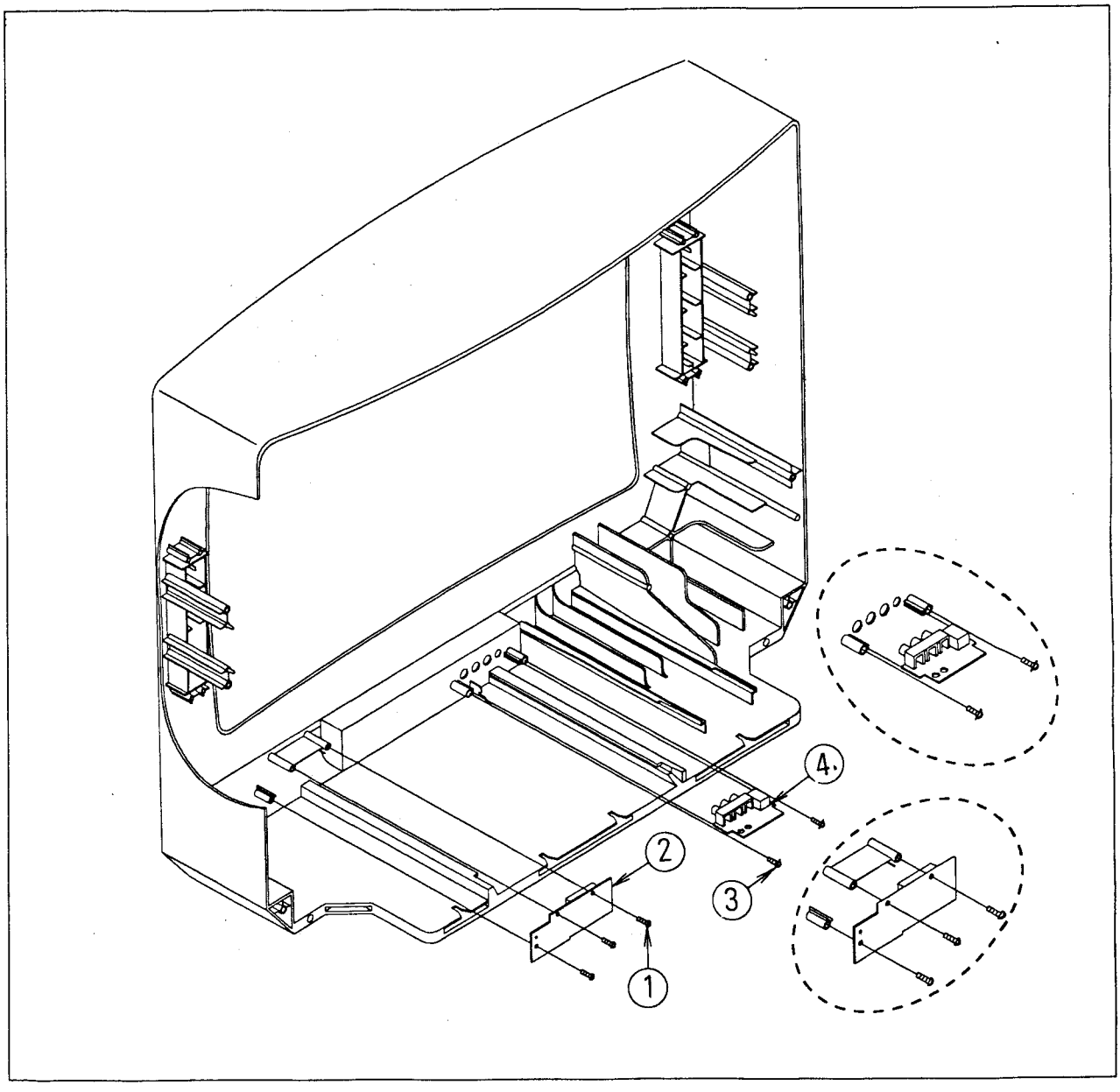


1. Separate the socket board from the CRT neck.
2. Remove the Anode Cap from the CRT.
3. Remove the main board by pulling it with both hands.

Warning: The FBT is charged with high voltage.
Before removing the Anode Cap, discharge the voltage through one of the heat sinks on the main board.

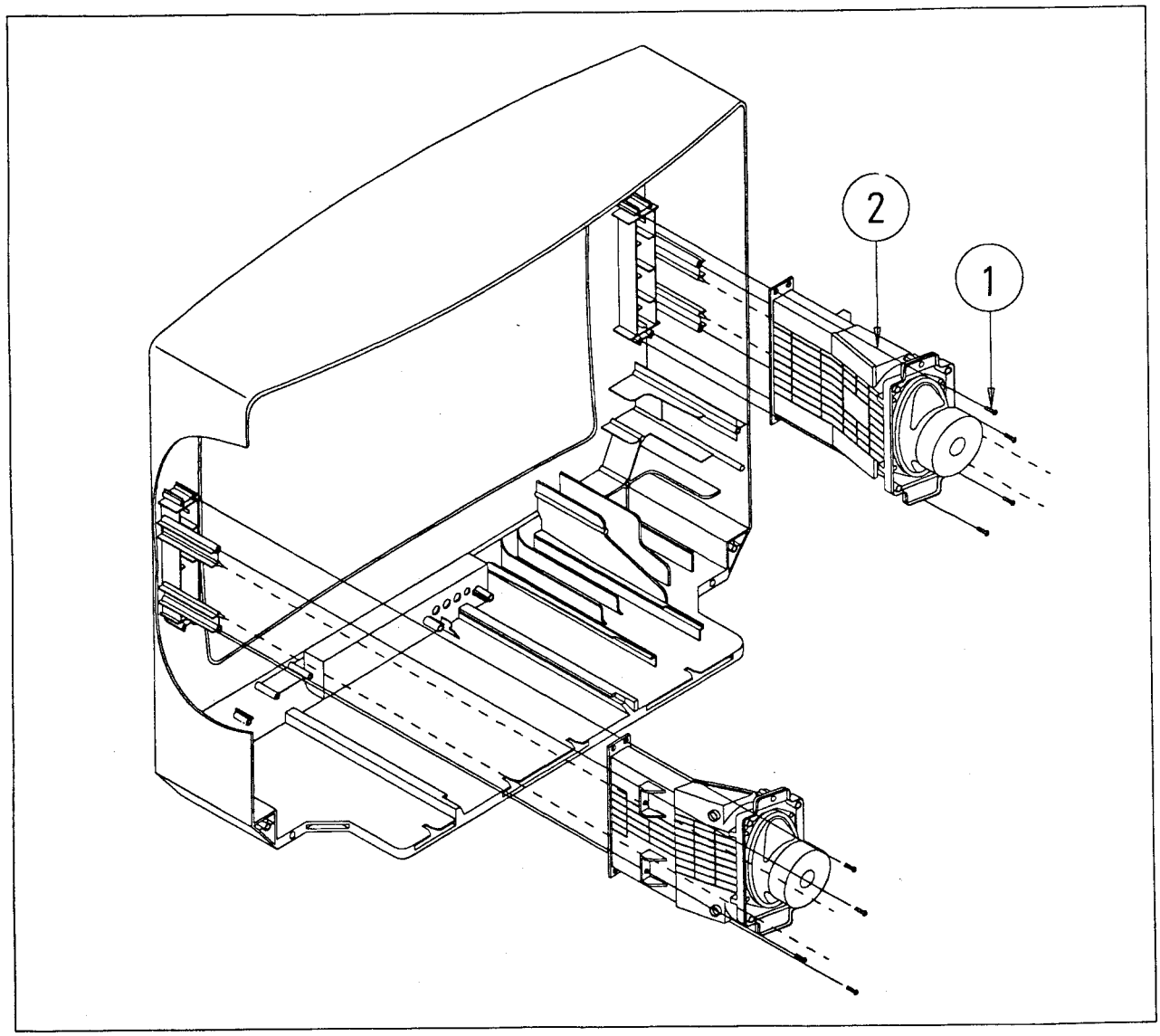
3-3 PWB-Control/PWB-AV Removal

1. Loosen the screws and remove the PWB-control
2. Loosen the screws and remove the PWB-AV

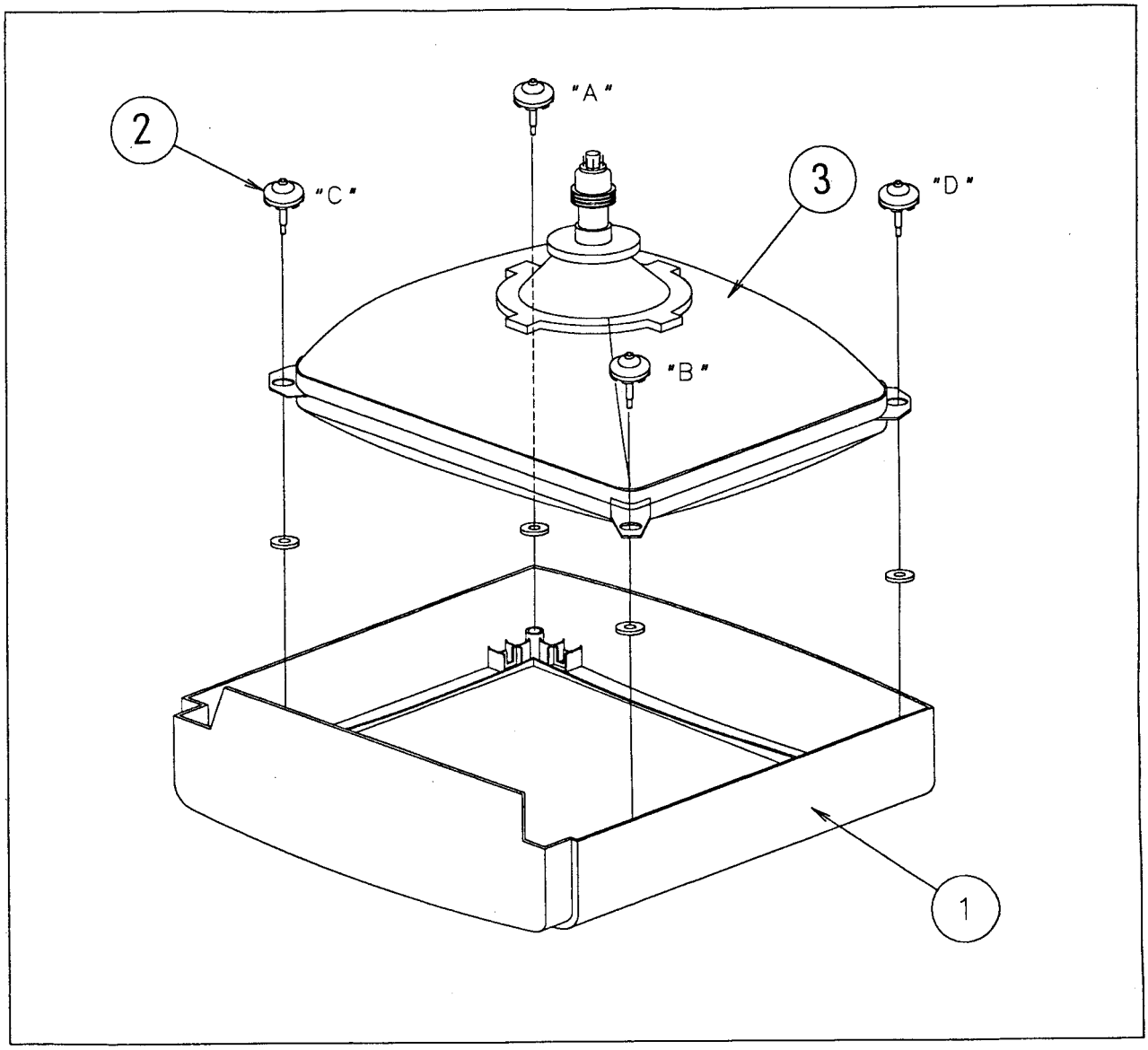


3-4 Speaker Removal

1. Loosen the screws and remove the speakers.



3-5 CRT Removal



1. Spread a soft mat on the floor. Place the TV set face down.
2. Remove the 4 nuts mounting the CRT to the front cabinet.
3. Lift the CRT.
4. Caution: Because of the high vacuum and large surface area of the picture tube, be careful while handling it: (1) Always lift the picture tube by grasping it firmly around the faceplate, (2) Never lift the tube by its neck. (3) Do not scratch the picture tube or apply excessive pressure. Fractures of the glass may cause an implosion.

Memo

4. Alignment and Adjustment

4-1 Preadjustment

4-1-1 Factory Mode

1. Do not attempt these adjustments in the Video Mode.

2. The Factory Mode adjustments are necessary when either the EEPROM (IC902) or the CRT is replaced.

3. Do not tamper with the "Adjustment" screen of the Factory Mode menu. This screen is intended only for factory use.

4-1-2 When EEPROM (IC902) Is Replaced

1. When IC902 is replaced all adjustment data revert to initial values. It is necessary to re-program this data.

2. After IC902 is replaced, warm up the TV for 10 seconds

4-1-3 When CRT Is Replaced

1. Make the following adjustments AFTER setting up after setting up purity and convergence:

   White Balance
   Sub-Brightness
   Vertical Center
   Vertical Size
   Horizontal Size
   Fail Safe (This adjustment must be the last step.)

2. If the EEPROM or CRT is replaced, set PSL and PVA to 15 and 63 (Factory Mode).

4-2 Factory/Service Mode

4-2-1 Procedure for the "Adjustment" Mode

1. This mode uses the standard remote control. The Service Mode is activated by (1) pressing the "HIDDEN" service key on the local-keyboard, or (2) by entering the following remote-control sequence:

   STAND-BY → P.STD → HELP → SLEEP → POWER ON

2. The "SERVICE (FACTORY)" message will be displayed. The Service Mode has four components: Adjustment, Test Pattern, Option Bytes and Reset.

3. Access the Adjustment Mode by pressing the "VOLUME" keys (Up or Down). The adjustment parameters are listed in the accompanying table. Select them by pressing the CHANNEL keys (▲,▼).

4. Selection sequences for the PAL system:

   DOWN or UP key:
   AGC>VCO>SBT>SCT>SCR>RG>GG>BG>SC>PVS>PVA>PSL>PHS>PEW>PEP>PEC>PET>LA>SA

5. Selection sequences for the NTSC system:

   DOWN or UP key:
   NVS>NVA>NSL>NHS>NEW>NEP>NEC>NET

6. The VOLUME keys increase or decrease the adjustment values, (stored in the non-volatile memory when Adjustment Mode is cancelled).

7. Cancel the Adjustment Mode by re-pressing the "HIDDEN" or "STATUS" keys.

4-2-2 Main Adjustment Parameter

Table 4-1 Main Adjustment Parameter (Zilog μ-com)			
FUNCTION	OSD ABBREVIATION	RANGE	ADJUSTMENT DATA
AUTO GAIN CONTROL	AGC	0 ~ 63 STEP	48 ~ 51
VOLTAGE CONTROLLED OSCILLATOR	VCO	0 ~ 127 STEP	60 ~ 70
SUB BRIGHT	SBT	0 ~ 13 STEP	9 ~ 10
SUB CONTRAST	SCT	0 ~ 13 STEP	7
SUB COLOR	SCR	0 ~ 23 STEP	23
LEVEL ADJUSTMENT	LA	0 ~ 9 STEP	5
STEREO ADJUSTMENT	SA	0 ~ 49 STEP	27
RED CUTOFF	RG	0 ~ 63 STEP	31
GREEN CUTOFF	GG	0 ~ 63 STEP	31
BLUE CUTOFF	BG	0 ~ 63 STEP	10 ~ 31
S-CORRECTION	SC	0 ~ 63 STEP	10 ~ 12
PAL VERTICAL SLOPE	PSL	0 ~ 63 STEP	31
PAL VERTICAL SHIFT	PVS	0 ~ 63 STEP	25 ~ 30
PAL VERTICAL AMPLITUDE	PVA	0 ~ 63 STEP	25 ~ 30
PAL HORIZONTAL SHIFT	PHS	0 ~ 63 STEP	40 ~ 45
PAL EW-WIDTH	PEW	0 ~ 63 STEP	50 ~ 55
PAL EW-APRABOLA WIDTH	PEP	0 ~ 63 STEP	31
PAL EW-CORNER PARABOLA	PEC	0 ~ 63 STEP	31
PAL EW-TRAPEZIUM	PET	0 ~ 63 STEP	20 ~25
NTSC VERTICAL SLOPE	NSL	0 ~ 63 STEP	31
NTSC VERTICAL SHIFT	NVS	0 ~ 63 STEP	25 ~ 30
NTSC VERTICAL AMPLITUDE	NVA	0 ~ 63 STEP	25 ~ 30
NTSC HORIZONTAL SHIFT	NHS	0 ~ 63 STEP	48 ~ 52
NTSC EW-WIDTH	NEW	0 ~ 63 STEP	50 ~ 55
NTSC EW-PARABOLA WIDTH	NEP	0 ~ 63 STEP	31
NTSC EW-CORNER PARABOLA	NEC	0 ~ 63 STEP	31
NTSC EW-TRAPEZIUM	NET	0 ~ 63 STEP	20 ~ 25
SECAM-L CONTROLLED OSCILLATOR	LCO	0 ~ 127 STEP	75 ~95
TELETEXT SUB CONTRAST	TSC	0 ~ 63 STEP	50

NOTE : PVS,PVA, PHS, NVS, NVA,NHS parameters must be aligned using both the 50Hz and 60Hz vertical-field rates.

4-2-3 Test Pattern (Aging Mode)

1. This mode can be used during servicing, or for confirming that the convergence and purity adjustments are correct.

2. Access the Test Pattern parameters by pressing a CHANNEL keys (▲, ▼) while the Service Mode is on. The cursor will move to the test pattern. Press the VOLUME keys. On-screen display:

   - RED
   - GREEN
   - BLUE

3. AGING Mode (Reference Only)

   This pattern is used for pre-heating the CRT during manufacturing--it is accessed in the factory by twice pressing the "HIDDEN" key .

   Even if the TV power is cut off, the Aging Mode is not cancelled, The patterns are displayed at 5 sec intervals. The AGING mode is cancelled by repressing the "HIDDEN" key.

4-2-4 Option Byte Table

BIT		BYTE 0	BYTE1	REMARKS
D7	L	LANGUAGE (TABLE 1)	TDA837X X-TAL CONTROL (XA/XB = 1/1)	
	H		TDA837X X-TAL CONTROL (XA/XB = 1/0)	
D6	L		NOISE REDUCTOR : NOT DISPLAYED IN FUNCTION MENU	
	H		NOISE REDUCTOR : DISPLAYED IN FUNCTION MENU	
D5	L	ZOOM (TABLE 2)	SHARPNESS : NOT DISPLAYED IN FUNCTION MENU	
	H		SHARPNESS : DISPLAYED IN FUNCTION MENU	
D4	L	SYSTEM (TABLE 3)	VX FUNCTION : NOT AVAILABLE (TDA847X ADD 16HEX)	
	H		VX FUNCTION : AVAILABLE	
D3	L		PICTURE STANDARD (TABLE 4)	
	H			
D2	L		CH.NUMBER IS DISPLAY I AV-1, AV-2 MODE	SCART JACK
	H		CH. NUMBER IS NOT DISPLAY IN AV-1, AV-2 MODE	RCA JACK
D1	L	STEREO	-	
	H	MONO	AUTO ON	
D0	L	NON HYPER TUNER	MUTE OR POLAND SAFETY (TABLE 1)	
	H	HYPER TUNER		

BYTE 0 BIT D1 :

MODE	RF			AV-1, AV-2		
ITEM / LOGIC	1. IDENT SAA7283 TDA9840 TDA9859	2. SYMBOL DISPLAY	3. S-MODE CONTROL	1. IDENT SAA7283 TDA9840 TDA9859	2.SYMBOL DISPLAY	3. S-MODE CONTROL
LOW	YES	YES	YES	YES	YES	YES
HIGH	NO	NO	NO	NO	YES	YES

TABLE 1 (LANGUAGE) :

BIT D7 / D6		SZM-155AR	SZM-157WTX	SZM-177TV	SZM-159RTX	SZM-179CH
D7	D6	ARABIC	WEST EUROPE	ASIA	EAST EUROPE	CHINA
L	L	ENGLISH ARABIC	ENGLISH DUTCH FRANCE ESPANA ITALIAN SWEDISH NEDERLAND	ENGLISH THAILAND	ENGLISH HUNGARIAN POLAND CZECHOSLOVAKIA RUSSIAN RUMANIA CROATIA	ENGLISH CHINA
L	H			ENGLISH VIETNAM	ENGLISH HUNGARIAN POLAND CZECHOSLOVAKIA RUMANIA CROATIA	
H	H	ENGLISH		ENGLISH MALAYSIA INDONESIA		

	LOGIC	SZM-155AR SZM-179CH	SZM-157WTX	SZM-159RTX	SZM-177TV
BYTE 1 D0	L	NO MUTE : IF NO RF INPUT	1. STAND-BY LED : TURNED ON IN STAND-BY MODE 2. MUTE : TURNED ON IF NO RF INPUT	NO MUTE : IF NO RF INPUT	1. STAND-BY LED : TURNED ON IN STAND BY MODE 2. MUTE : TURNED OFF IF NO RF INPUT
	H	MUTE : IF NO RF INPUT	1. STAND-BY LED : TURNED ON IN NORMAL MODE 2. MUTE : IF NO RF INPUT	MUTE : IF NO RF INPUT	1. STAND-BY LED : TURNED ON IN NORMAL MODE 2. MUTE : IF NO RF INPUT

TABLE 2 (ZOOM) :

MODE		RF	AV-1, AV-2
BYTE0 D5	LOW	NORMAL → ZOOM → 16 : 9	NORMAL ↔ ZOOM
	HIGH	NORMAL ↔ ZOOM	

TABLE 3 (SYSTEM) :

BYTE 0			SYSTEM	SOUND SYSTEM		COLOR SYSTEM			
						RF MODE		AV-1, AV-2 MODE	
D4	D3	D2		OSD	ACTION	OSD	ACTION	OSD	ACTION
H	H	H	CI	DELETE	I	DELETE	PAL	DELETE	AUTO
H	H	L	CII	DELETE	I	DELETE	PAL	DELETE	AUTO
H	L	H	CW	? → B/G → I D/K	B/G I D/K	AUTO → PAL NT4.43 ← SECAM	AUTO PAL SECAM NT4.43	AUTO → PAL NT4.43 ← SECAM NT4.43	AUTO PAL SECAM NT4.43 NT3.58
H	L	L	CF	DELETE	B/G L/L'	DELETE	PAL SECAM	DELETE	AUTO
L	H	H	CK	D/K ↔ B/G	D/K B/G	AUTO → PAL NT4.43 ← SECAM	PAL SECAM NT4.43	AUTO → PAL NT4.43 ← SECAM	AUTO PAL SECAM NT4.43
L	H	L	CB	DELETE	B/G	DELETE	PAL	DELETE	AUTO
L	L	H	CX	DELETE	B/G	DELETE	AUTO	DELETE	AUTO
L	L	L	CS	? → B/G → I M ← D/K	B/G <None> <None> <None> 4-6 <None> I	AUTO → PAL SECAM NT3.58 ← NT4.43	AUTO PAL SECAM NT4.43 NT3.58	AUTO → PAL SECAM NT3.58 ← NT4.43	AUTO PAL SECAM NT4.43 NT3.58

CI SYSTEM (ONLY UHF BAND)
CF SYSTEM (AVAILABLE IN SZM-157 M-COM)

TABLE 4 (PICTURE STANDARD) :

MODE / BYTE	STANDARD MODE	DYNAMIC	MOVIE	MILD	CUSTOM
	CON/BR/SHA/COL	CON/BR/SHA/COL	CON/BR/SHA/COL	CON/BR/SHA/COL	CON/BR/SHA/COL
LOW	100/50/50/50	100/50/75/50	90/50/75/50	60/50/50/50	100/50/50/50
HIGH	90/50/50/50	100/50/50/50	75/55/50/50	60/50/50/50	90/55/25/50
RG	-	-	+10	-	-
BG	-	+10	-	-	-

CON/BR/SHA/COL = CONTRAST / BRIGHT / SHARPNESS / COLOR

4-2-5 RESET

The Reset Mode is used during factory inspection.
Function Reset:

1. Channels	Added/Erase
2. Sort	NON
3. Language	Basic (English)
4. System	Auto (Non-TTX micom only)

4-3 Other Adjustments

4-3-1 General

1. Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.

2. The picture should have good black and white details. There should be no objectionable color shading; if color shading is present, perform the purity and convergence adjustments described below.

3. Use the specified test equipment or its equivalent.

4. Correct impedance matching is essential.

5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.

6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.

7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.

8. To protect against shock hazard, use an isolation transformer.

4-3-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set has been moved or turned in a different direction, disconnect its AC power for at least 10 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before removing power.

4-3-3 High Voltage Check

CAUTION: There is no high voltage adjustment on this chassis. The B^+ power supply must be set to +130/155 volts.
(Full color bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.
2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).
3. The high voltage should not exceed 33KV.
4. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 33KV under any conditions.

4-3-4 FOCUS Adjustment

1. Input a black and white signal.
2. Adjust the tuning control for the clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-3-5 Screen Adjustment

1. Turn to the ACTIVE channel.
2. Adjust the VR screen for a normal picture is (no blooming or flyback line).
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-3-6 Purity Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Plug in the CRT deflection yoke and tighten the clamp screw.
3. Plug the convergence yoke into the CRT and set in as shown in Fig. 4-1.
4. Input a black and white signal.
5. Fully demagnetize the receive by applying an external degaussing coil.
6. Turn the CONTRAST and BRIGHTNESS controls to maximum.
7. Loosen the clamp screw holding the yoke. Slide the yoke backward or forward to provide vertical green belt. (Fig. 4-2).
8. Tighten the convergence yoke.
9. Slowly move the deflection yoke forward, and adjust for the best overall green screen.
10. Temporarily tighten the deflection yoke.
11. Produce blue and red rasters by adjusting the low-light controls. Check for good purity in each field.
12. Tighten the deflection yoke.

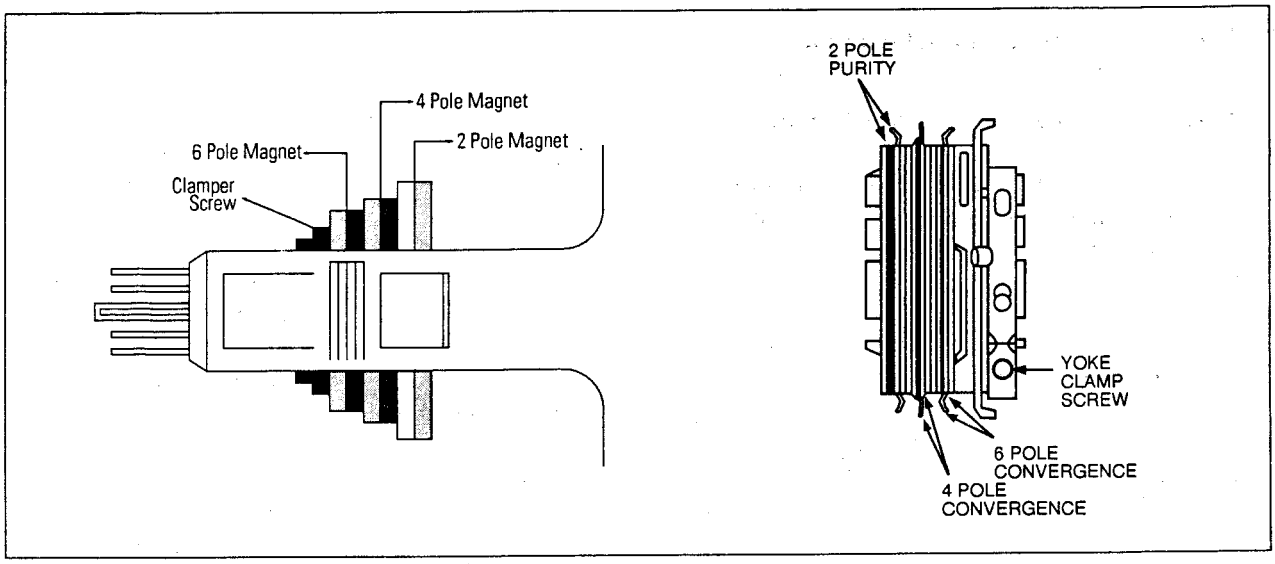


Fig. 4-1 Convergence Magnet Assembly

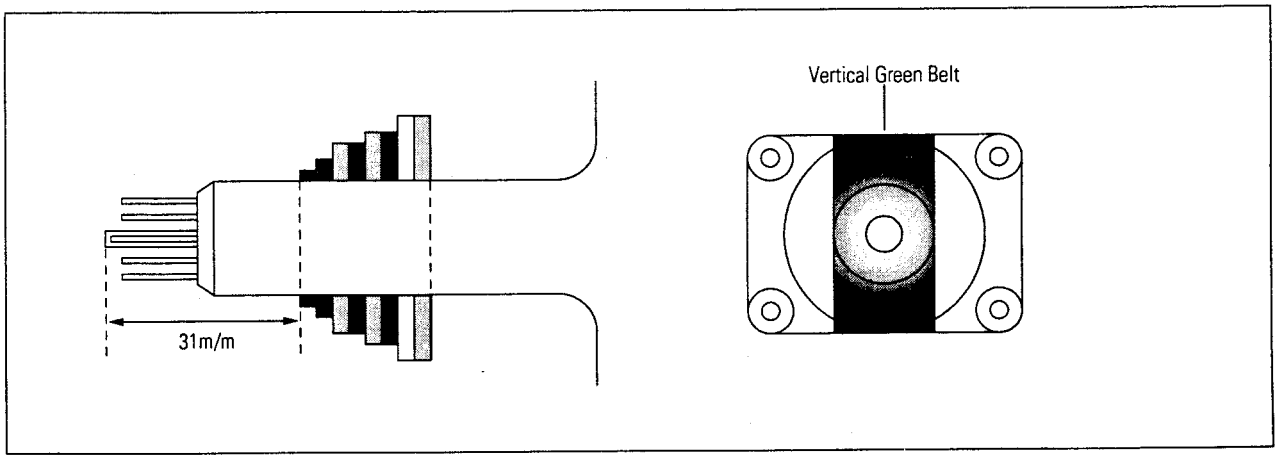


Fig. 4-2 Center Convergence Adjustment

4-3-7 White Balance Adjustment

4-3-7 (a) High-Light Adjustment

1. Input either a Lion Head or a "pure white" pattern.
2. Warm up the TV for 30 minutes.
3. Check the data in the Service Mode (RG,GG,BG Should be 31, initially)
4. Adjust RG, BG in the Factory Mode.

4-3-7 (b) Low-Light Adjustment:

1. Automatically accomplished during the high-light adjustment.

4-3-8 Center Convergence Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Adjust the two tabs of the 4 pole magnets to change the angle between them. Superimpose the red and blue vertical lines in the center area of the screen.
3. Adjust the Brightness and Contrast controls for a well defined picture.
4. Adjust the two-tab pairs of the 4 pole magnets, and change the angle between them. Superimpose the red and the blue vertical lines in the center area of the screen.
5. Turn the both tabs at the same time, keeping the angle constant, and superimpose the red and blue horizontal line in the center of the screen.
6. Adjust the two-tab pairs of the 6-pole magnets to superimpose the red and blue line onto the green. (Changing the angle affects the vertical lines, and rotating both magnets affects the horizontal lines.)
7. Repeat adjustments 2~6, if necessary.
8. Since the 4-pole magnets and 6-pole magnets interact, the dot movement is complex (Fig. 4-3).

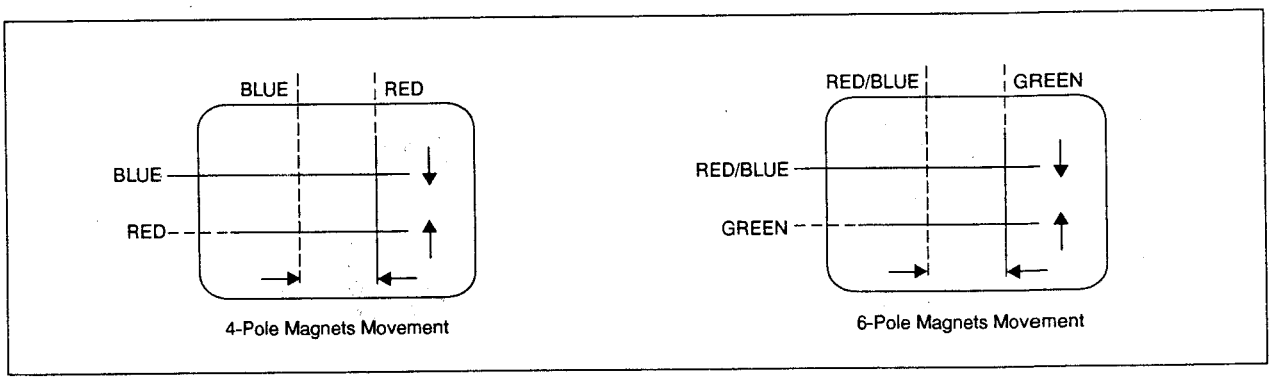


Fig . 4-3 Center Convergence Adjustment

4-3-9 VCO Adjustment

1. Connect to tuner IF pin.
2. Apply an IF input (38.9MHz) signal.
3. In Factory Mode, adjust the AFC with the VCO tuning bits (AFA, AFB).

   The VCO is correct when the AFA Bit is "INSIDE WINDOW " (The AFB Bit is above~below). The AFC output is available on the I²C-BUS (used for VCO adjustment and feedback).

4-3-10 IF AGC Adjustment

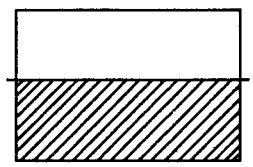
1. Input a UHF Band channel (70~80dB, 479.25MHz).
2. Adjust the AGC in the Factory mode. IC201 Pin 53 to 3.2V± 0.05V (DC).

4-3-11 Geometry Adjustment (SC -> PVS -> PVA ->PSL -> PHS)

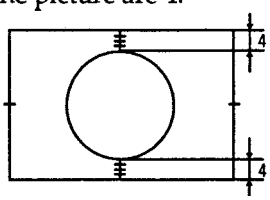
1. Input a Lion Head pattern.

2. SET the SC Data steps 10~12 in the Factory Mode.

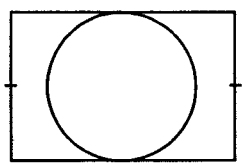
3. Adjust with PVS (starts blinking) exactly at middle of the screen.



4. Adjustment with PVA : Top and Bottom margins of the picture are 4.



5. Adjustment with PSL : Bottom of picture to bottom of screen.

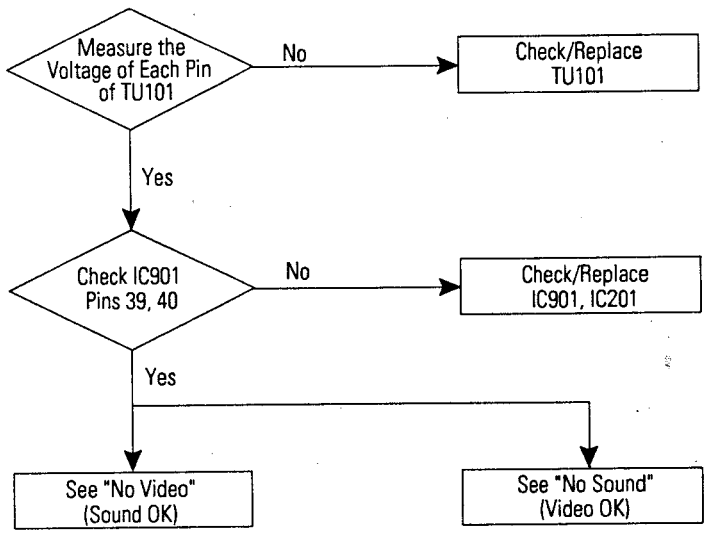


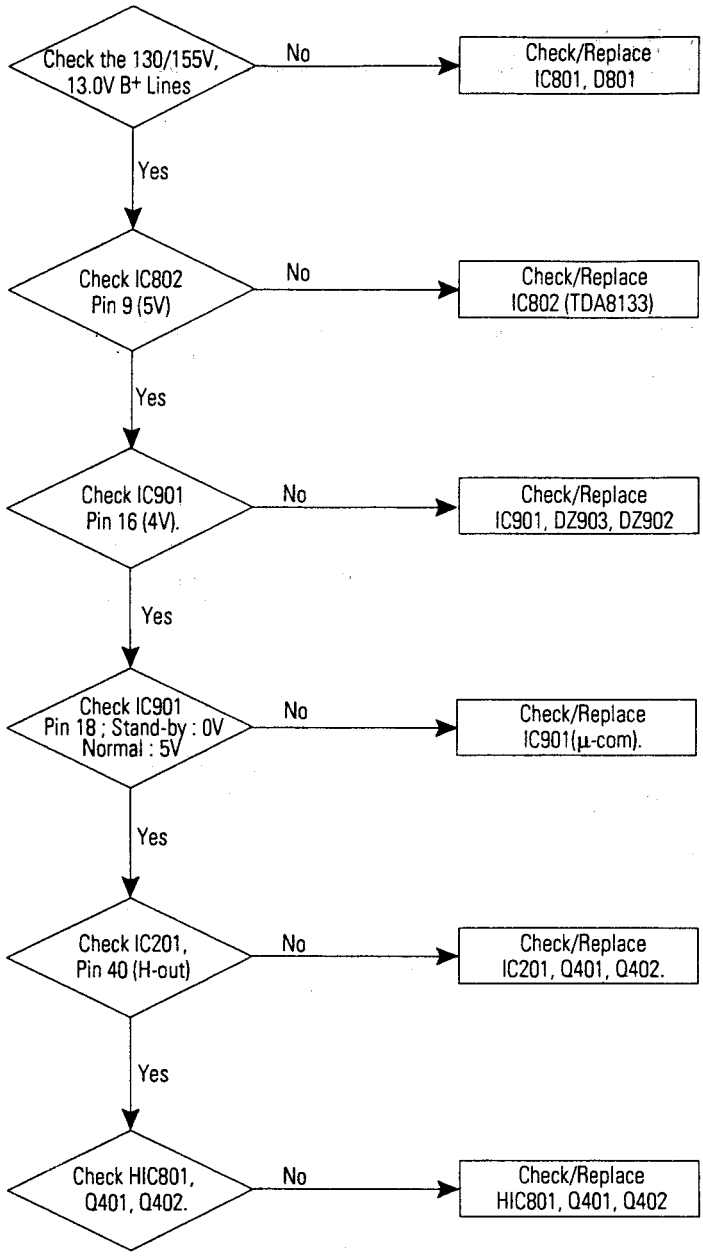
6. Adjust PHS horizontally. Center the picture.

Memo

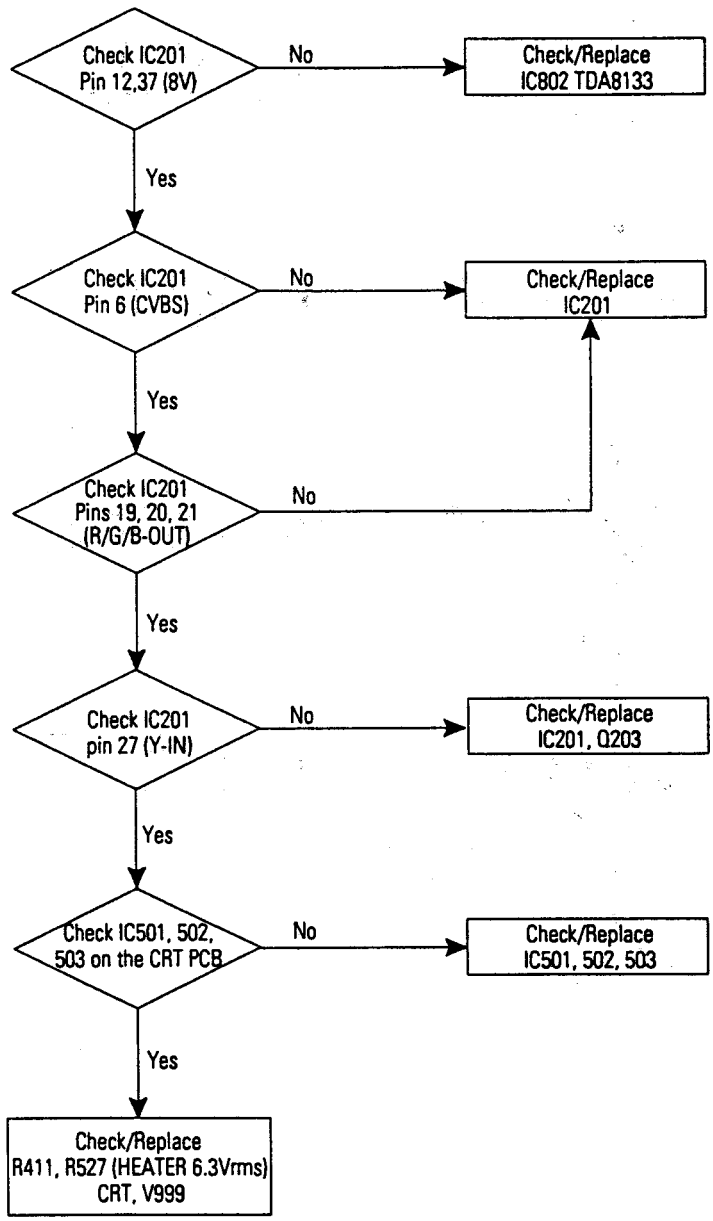
5. Troubleshooting

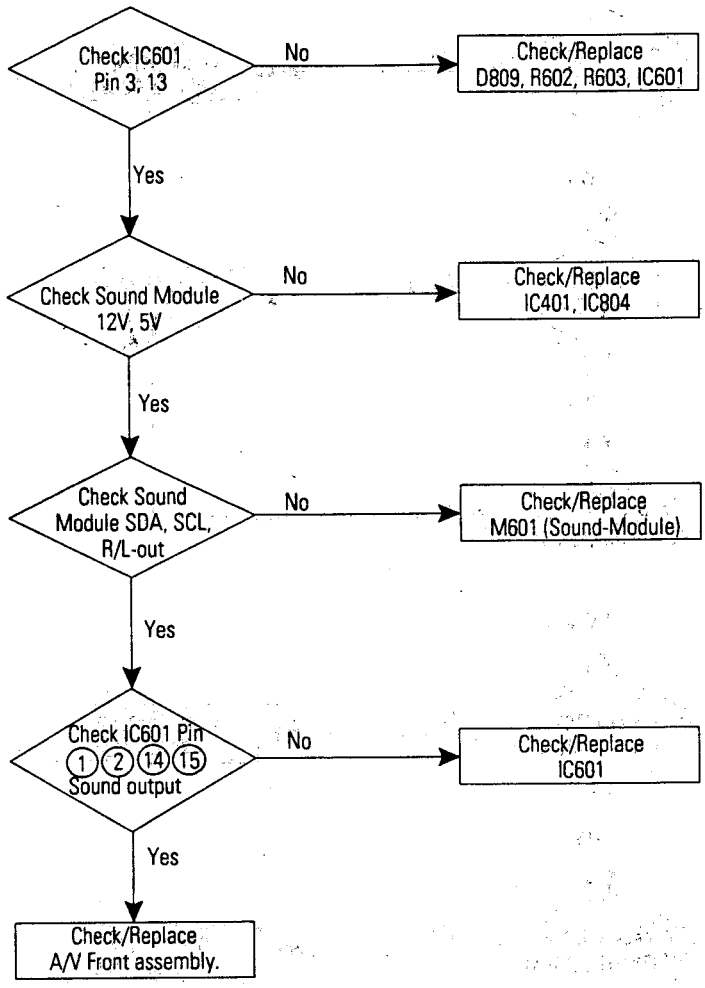
5-1 No Video (Raster On, No Sound)




Check the 130/155V, 13.0V B+ Lines
No
Check/Replace IC801, D801
Yes
Check IC802 Pin 9 (5V)
No
Check/Replace IC802 (TDA8133)
Yes
Check IC901 Pin 16 (4V).
No
Check/Replace IC901, DZ903, DZ902
Yes
Check IC901 Pin 18 ; Stand-by : 0V Normal : 5V
No
Check/Replace IC901(μ-com).
Yes
Check IC201, Pin 40 (H-out)
No
Check/Replace IC201, Q401, Q402.
Yes
Check HIC801, Q401, Q402.
No
Check/Replace HIC801, Q401, Q402

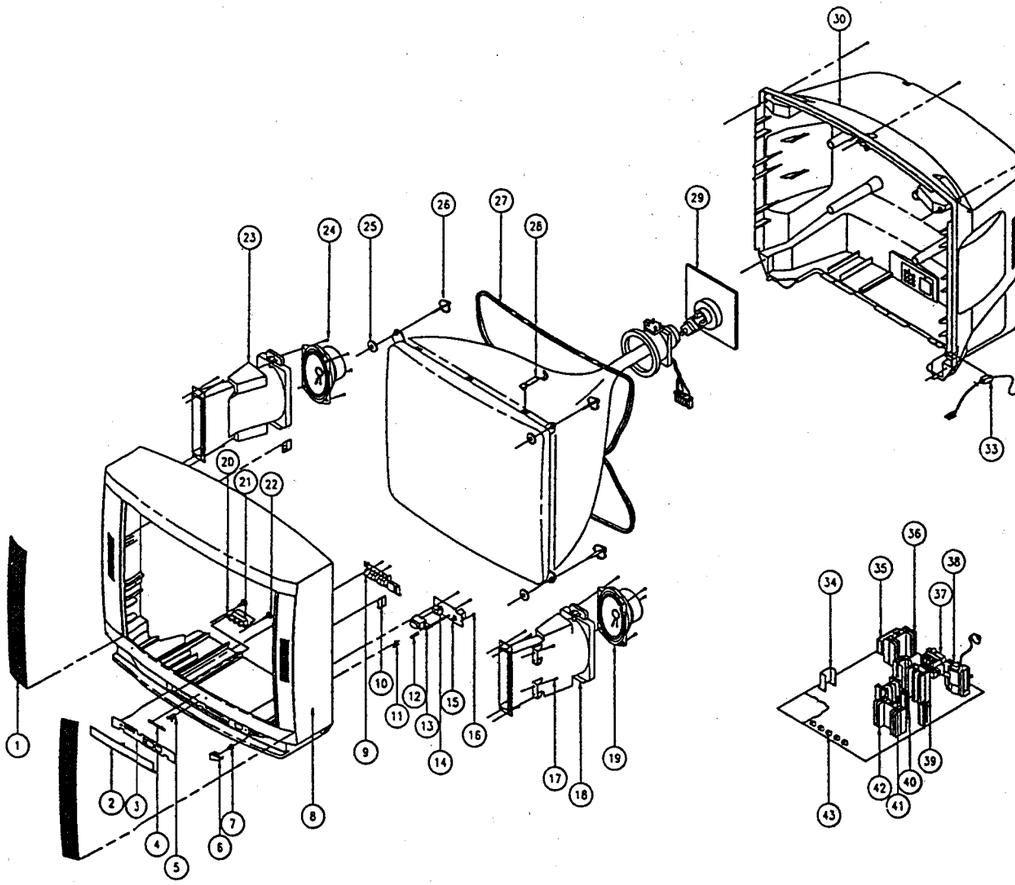
5-3 No Video (Sound OK)




Check IC601 Pin 3, 13
No
Check/Replace D809, R602, R603, IC601
Yes
Check Sound Module 12V, 5V
No
Check/Replace IC401, IC804
Yes
Check Sound Module SDA, SCL, R/L-out
No
Check/Replace M601 (Sound-Module)
Yes
Check IC601 Pin 1 2 14 15 Sound output
No
Check/Replace IC601
Yes
Check/Replace A/V Front assembly.

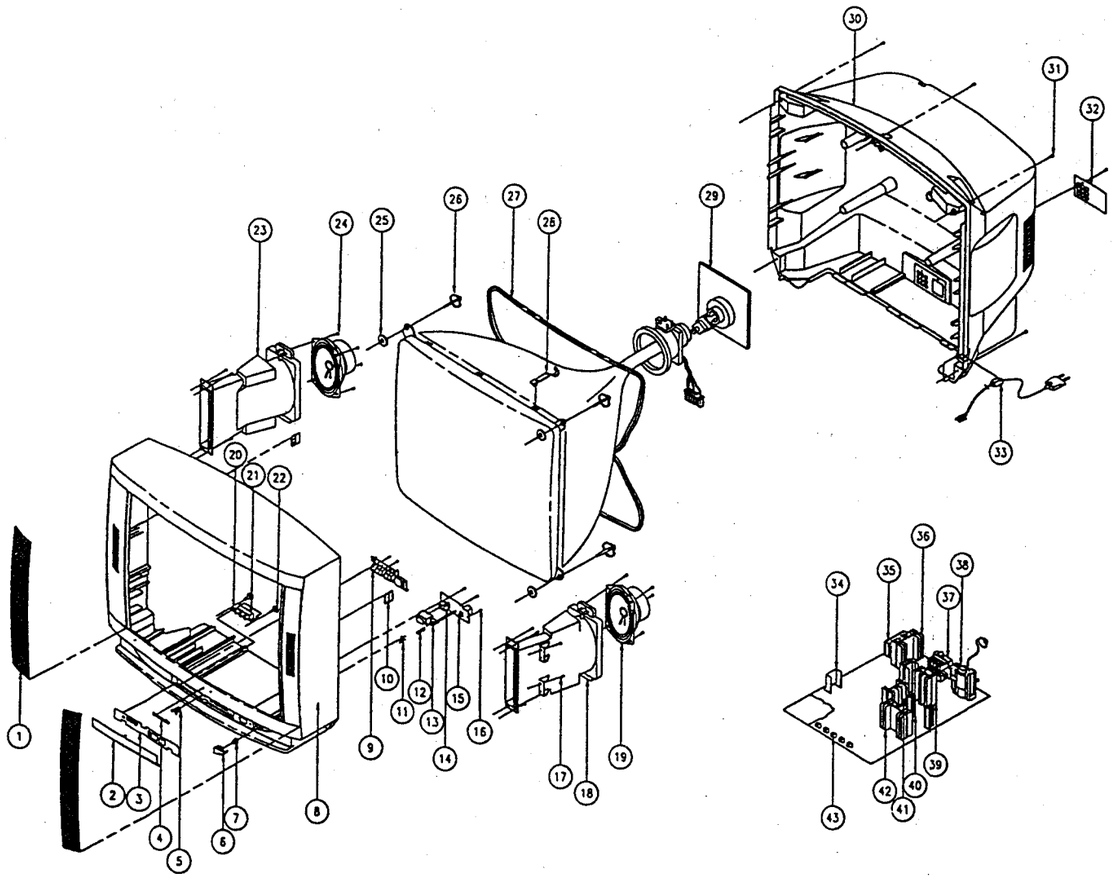
6. Exploded View and Parts List

6-1. CK6202WB, CX6202WB, CK6202N



No	New Code No	Old Code No	Description	Specification	Q'ty	Remarks
1	AA63-50064A	34002-0100-000	GRILLE-SHEET	PS,T0.4,SEUD01300 P	2	
2	AA64-50111A	34042-0079-000	DOOR-CONTROL	HIPS,HB,BLK,SEUD010	1	
3	AA64-60274D		INLAY-CONTROL	PS,T0.3,BLK,MW,6202	1	
4	AA64-70011B	34533-0075-010	BADGE-BRAND	AL,-,L60,SILVER,R2000	1	
5	AA61-30001A	36698-100-110	LATCH-DOOR	LIFUCO,LA701	1	
6	AA64-10166A	34083-0239-000	KNOB-POWER,M	ABS,HB,BLK,7202	1	
7	AA61-60005K	36673-103-070	SPRING-CS	SUS304,PI0.6	1	
8	AA64-30575F		CABINET-FRONT	HIPS,HB,BLK,S1000 M	1	CX, CK6202WB
	AA64-30575D		CABINET-FRONT	6202,S1000,MLN,HIPS,HB	1	CK6202N
9	AA64-10058A	34082-0238-000	KNOB-CONTROL	ABS,HB,BLK,2902	1	
10	AA63-60001Q	36844-112-360	SPACER-FELT	FELT T0.35,150X8	1	
11	AA64-40238A	34164-0061-000	INDICATOR-LED	ACRYL,7202	1	
12	0601-000542	32309-121-005	LED	ROUND,RED/GRN,5MM,630	1	
13	AA64-40060A	34073-0107-000	WINDOW-REMOCON	ABS,HB, LG41338,6202	1	
14	AA59-60003G		MODULE-REMOCON	ORC-06HF2,38KHZ,940NM,M	1	
15	*AA95-30002B	*3D33-00594-220	ASSY-PCB,CONTROL	SCT12B	1	
16	6002-000514	37148-540-153	SCREW-TAPPING(PC+CF)	RH,+,2<M4,L15,ZPC(BLK)	3	
17			ASSY			
18			ASSY			
19			ASSY			
20	3722-001031		JACK-RCA	3P,3.6MM,#18,AU	1	
21	*AA95-40004M	*3D39-00001-410	ASSY-PCB,A/V	CS5377/MVTX,SCT12A	1	
22	AA60-10002A	37144-001-210	SCREW-TAPPING(PA+CF)	RH+ M4,L12,ZPC(YEL) OD	2	
23	*AA91-60003A	*3H93-52199-010	ASSY-HOLDER,SPK	PP, 8ohm 10W	1	
24	6002-000514	37148-540-153	SCREW-TAPPING(SPK+CF)	RH,+,2,M4,L15,ZPC(BLK)	8	
25	AA63-60004K	37333-101-410	SPACER-GUM,CRT	NTR RUBBER T2 BLK NEW	4	
26	AA60-10050C		SCREW-ASSY(CRT+CF)	WC,HH,+,M5,L30,SWRCH8	4	
27	AA27-20002D	A1149-0016	COIL-DEGAUSING	25",14.5ohm,55T,2770	1	
28	AA65-30017A	36635-002-010	CLAMPER-D,COIL	NYLON-66,V0,NTR,DADH300	2	
29	*AA95-20003H	*3D32-00010-540	ASSY-PCB,CRT	SCT12B,25",EUROPE	1	
30	AA64-30641C		CABINET-BACK	HIPS,V0,BLK,NON-PBD	1	
31	6002-000516	30509-0004-000	SCREW-TAPPING(CB+CF)	RH,+,2<M4,L20,ZPC(BLK)	6	
32	AA64-60052C		INLAY-BACK	PS,T0.5 BLK PV2 21PIN	1	
33	AA39-10005A		POWER-CORD	KKP419C KLCE-2F,2.286MT	1	
34	1203-000588	A4008-1237	IC-POSI,FIXED(IC802)	7630,SIP,10P,PLASTIC	1	
35	AA40-10003T	B1292-0101	TUNER-V/S	TELE4-016A,PAL-B/G,BK	1	
36	1201-001064		IC-POWER AMP(IC601)	7279,ZIP,15P,DUAL,32DB	1	
37	3722-000195	A3040-0177	JACK-RCA	42P,SN,BLACK	1	
38	AA26-30002K	A1201-0048	TRANS-FLY BACK	FTH-29A001,29",130V	1	
39	0502-000450	32159-210-032	TR-POWER(Q401)	2SD1887YD,NPN,1500V	1	
40	0402-000564	B4102-0087	DIODE-RECTIFER(D809)	FML-G22S 200V,10A	1	
41	1204-000426	B4012-0607	IC-VERTICAL PRO(IC301)	TDA8350Q/N4	1	
42	AA13-20002K	B4010-0042	IC-HYBRID(IC801)	STR-S6309 LF953	1	
43	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7	5	

6-2. CK7202WB



No	New Code No	Old Code No	Description	Specification	Q'ty	Remarks
1	AA63-50106A	34003-0093-000	GRILLE-SHEET	PS,T0.4,SEUD01300	2	
2	AA64-50111A	34042-0079-000	DOOR-CONTROL	HIPS,HB,BLK,SEUD010	1	
3	AA64-60238D		INLAY-CONTROL	PS,T0.3,PV2,MW,7202	1	
4	AA64-70011B	34533-0075-010	BADGE-BRAND	AL,-,L60,SILVER,R2000	1	
5	AA61-30001A	36698-100-110	LATCH-DOOR	LIFUC0,LA701	1	
6	AA64-10166A	34083-0239-000	KNOB-POWER,M	ABS,HB,BLK,7202	1	
7	AA61-60005K	36673-103-070	SPRING-CS	SUS304,P10.6	1	
8	AA64-30573G		CABINET-FRONT	HIPS,HB,BLK,S1000 M	1	
9	AA64-10058A	34082-0238-000	KNOB-CONTROL	ABS,HB,BLK,2902	1	
10	AA63-60001Q	36844-112-360	SPACER-FELT	FELT T0.35,150X8	1	
11	AA64-40238A	34164-0061-000	INDICATOR-LED	ACRYL,7202	1	
12	0601-000542	32309-121-005	LED	ROUND,RED/GRN,5MM,630	1	
13	AA64-40060A	34073-0107-000	WINDOW-REMOCON	ABS,HB, LG41338,6202	1	
14	AA59-60003G		MODULE-REMOCON	ORC-06HF2,38KHZ,940NM,M	1	
15	*AA95-30002B	*3D33-00594-220	ASSY-PCB,CONTROL	SCT12B	1	
16	6002-000514	37148-540-153	SCREW-TAPPING(PC+CF)	RH,+,2<M4,L15,ZPC(BLK)	3	
17			ASSY			
18			ASSY			
19			ASSY			
20	3722-001031		JACK-RCA	3P,3.6MM,#18,AU	1	
21	*AA95-40004M	*3D39-00001-410	ASSY-PCB,A/V	CS5377/MVTX,SCT12A	1	
22	AA60-10002A	37144-001-210	SCREW-TAPPING(PA+CF)	RH+ M4,L12,ZPC(YEL) 0D	2	
23	*AA91-60003A	*3H93-52199-010	ASSY-HOLDER,SPK	PP, 8ohm 10W	1	
24	6002-000514	37148-540-153	SCREW-TAPPING(SPK+CF)	RH,+,2,M4,L15,ZPC(BLK)	8	
25	AA63-60004P		SPACER-GUM,CRT	NTR RUBBER T2 GRAY	4	
26	AA60-10050D		SCREW-CRT(CRT+CF)	WC,HH,+,L35,SWRCH18	4	
27	AA27-20002B		COIL-DEGAUSING	29",13.3ohm,70T,L3100,E	1	
28	AA65-30017A	36635-002-010	CLAMPER-D,COIL	NYLON-66,V0,NTR,DADH300	2	
29	*AA95-20003H	*3D32-00010-540	ASSY-PCB,CRT	SCT12B,25",EUROPE	1	
30	AA64-30639C		CABINET-BACK	HIPS,V0,BLK,NON-PBD	1	
31	6002-000516	30509-0004-000	SCREW-TAPPING(CB+CF)	RH,+,2<M4,L20,ZPC(BLK)	6	
32	AA64-60052C		INLAY-BACK	PS,T0.5 BLK PV2 21PIN	1	
33	AA39-10005A		POWER-CORD	KKP419C KLCE-2F,2.286MT	1	
34	1203-000588	A4008-1237	IC-POSI,FIXED(IC802)	7630,SIP,10P,PLASTIC	1	
35	AA40-10003T	B1292-0101	TUNER-V/S	TELE4-016A,PAL-B/G,BK	1	
36	1201-001064		IC-POWER AMP(IC601)	7279,ZIP,15P,DUAL,32DB	1	
37	3722-000195	A3040-0177	JACK-RCA	42P,SN,BLACK	1	
38	AA26-30002K	A1201-0048	TRANS-FLY BACK	FTH-29A001,29",130V	1	
39	0502-000450	32159-210-032	TR-POWER(Q401)	2SD1887YD,NPN,1500V	1	
40	0402-000564	B4102-0087	DIODE-RECTIFER(D809)	FML-G22S 200V,10A	1	
41	1204-000426	B4012-0607	IC-VERTICAL PRO(IC301)	TDA8350Q/N4	1	
42	AA13-20002K	B4010-0042	IC-HYBRID(IC801)	STR-S6309 LF953	1	
43	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7	5	

7.Electric Parts List

7-1.CK6202WB, CX6202WB, CK7202WB, CK6202N

Loc No	New Code No	Old Code No	Description	Specification	Remark
			ASSY-PCB,MAIN		
	*AA94-10082Y		ASSY-PCB,MAIN(OPT)	CK6202WB/BE0SX,SCT12B,YUG	
	*AA94-10082Z		ASSY-PCB,MAIN(OPT)	CK7202WB/BE0SX,SCT12B,YUG	CK7202WB
	*AA94-10076E		ASSY-PCB,MAIN(OPT)	CK6202N/SEHX,SCT12B,HUNGA	CK6202N
C101	2401-001082	31607-402-160	C-AL	330NF,20%,50V,GP,5X11MM,5	
C102	2401-000758	31607-902-250	C-AL	220NF,20%,50V,GP,5X11MM,5	
C103	2401-001937	A1104-0052	C-AL	22UF,20%,16V,GP,5X5MM,5MM	
C104	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
C105	2202-000199	A1100-0823	C-CERAMIC,MLC-AXIAL	22NF,+80-20%,25V,Y5V,-,7.	
C106	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C107	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C108	2401-001271	31607-402-240	C-AL	4.7UF,20%,50V,GP,5X11MM,5	
C109	2202-000127	A1100-0803	C-CERAMIC,MLC-AXIAL	10NF,+80-20%,25V,Y5V,-,7.	
C110	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C112	2305-000412	A1102-0293	C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
C113	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5,-	
C201	2201-000962	31407-106-120	C-CERAMIC,DISC	12PF,5%,50V,RH,5X3.5MM,TP	
C202	2202-000127	A1100-0803	C-CERAMIC,MLC-AXIAL	10NF,+80-20%,25V,Y5V,-,7.	
C204	2301-000224	31507-127-008	C-FILM,PEF	22NF,5%,50V,7.4X3.9X13MM,	
C205	2401-000660	31607-402-220	C-AL	2.2UF,20%,50V,GP,5X11,5,T	
C206	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C207	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
C208	2305-000412	A1102-0293	C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
C209	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C210	2305-000412	A1102-0293	C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
C211	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
C212	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C213	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C214	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C216	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C217	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C218	2201-000139	31407-056-101	C-CERAMIC,DISC	100PF,2%,50V,NP0,-,5,TP	
C219	2201-000273	31407-057-180	C-CERAMIC,DISC	18PF,5%,50V,NP0,5.0X3.0,2	
C220	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C221	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C222	2401-000302	31607-401-680	C-AL	100UF,20%,25V,GP,6X11MM,5	
C223	2401-000603	31607-402-210	C-AL	1UF,20%,50V,GP,5X11MM,5MM	
C224	2301-000201	31507-127-002	C-FILM,PEF	2.2NF,5%,50V,7.4X3.9X13MM	
C225	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C226	2401-000603	31607-402-210	C-AL	1UF,20%,50V,GP,5X11MM,5MM	
C227	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5,-	
C228	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C229	2401-001026	31607-402-230	C-AL	3.3UF,20%,50V,GP,5X11MM,5	
C230	2202-000222	A1100-0802	C-CERAMIC,MLC-AXIAL	3.3NF,20%,16V,Y5P,-,7.5,T	
C231	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5,-	
C232	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5,-	
C233	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5,-	
C234	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C235	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C236	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C237	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C238	2305-000289	A1102-0291	C-FILM,MPEF	220NF,5%,63V,-,5MM,TP	

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C239	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C240	2201-000976	31407-105-180	C-CERAMIC,DISC	22PF,5%,50V,NP0,5.0X3.0,5	
C249	2305-000665	A1102-0298	C-FILM,MPEF	100NF,5%,63V,7.5X4.0X5.0M	
C250	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C251	2301-000247	31507-127-009	C-FILM,PEF	33NF,5%,50V,8.1X4.5X13MM,	
C252	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5,-	
C253	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C255	2202-000861	A1100-0977	C-CERAMIC,MLC-AXIAL	12PF,5%,50V,CH,3.5X1.9MM,	
C256	2202-000109	A1100-0340	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C301	2305-000149	A1102-0302	C-FILM,MPEF	100NF,5%,100V,7.5X4.0X5.0	
C302	2301-000213	31517-002-224	C-FILM,PEF	220NF,5%,250V,21.5X11,7.5	
C303	2305-000407	A1102-0324	C-FILM,MPEF	470NF,5%,100V,-,5MM,TP	
C304	2401-003028		C-AL	100UF,20%,25V,GP,6.3X11,5	
C305	2401-001662	31607-403-070	C-AL	68UF,20%,100V,GP,10X16MM,	
C401	2305-000178	A1102-0307	C-FILM,MPEF	10NF,5%,100V,-,5MM,TP	
C402	2401-003028		C-AL	100UF,20%,25V,GP,6.3X11,5	
C403	2201-000551	31417-901-580	C-CERAMIC,DISC	470PF,10%,1KV,Y5P,-,5,TP	
C404	2401-001662	31607-403-070	C-AL	68UF,20%,100V,GP,10X16MM,	
C405	2201-000551	31417-901-580	C-CERAMIC,DISC	470PF,10%,1KV,Y5P,-,5,TP	
C406	2401-000927	31607-403-500	C-AL	22UF,20%,250V,GP,13X20MM,	
C407	2201-000551	31417-901-580	C-CERAMIC,DISC	470PF,10%,1KV,Y5P,-,5,TP	
C408	2401-001397	A1104-0012	C-AL	470UF,20%,25V,GP,10X16MM,	
C409*	2303-000333		C-FILM,PPF	33NF,10%,400V,-,7.5MM,TP	
C410	2305-000154	31517-003-020	C-FILM,MPEF	100NF,5%,400V,21.5X6.5X11	
C411	2306-000267	A1102-0210	C-FILM,MPPF	8.2NF,5%,1.6KV,28.5X18.5X	
C412	2401-000302	31607-401-680	C-AL	100UF,20%,25V,GP,6X11MM,5	
C413	2306-000322	A1102-0212	C-FILM,MPPF	12NF,5%,1.6KV,28.5X20.5X1	
C414	2306-000235	A1102-0409	C-FILM,MPPF	560NF,5%,400V,26X22.5X14,	
C415	2306-000235	A1102-0409	C-FILM,MPPF	560NF,5%,400V,26X22.5X14,	
C416	2301-000148	31507-137-013	C-FILM,PEF	10NF,5%,100V,7X3.2X7MM,5M	
C417	2305-000289	A1102-0291	C-FILM,MPEF	220NF,5%,63V,-,5MM,TP	
C418	2201-000984	31417-901-410	C-CERAMIC,DISC	680PF,10%,2KV,Y5P,-,7.5MM	
C419	2401-000395	31607-403-210	C-AL	10UF,20%,160V,GP,10X12.5M	
C420	2305-000382	A1102-0319	C-FILM,MPEF	4.7NF,5%,400V,-,5MM,TP	
C421	2401-002268	A1104-0741	C-AL	2.2UF,20%,250V,LZ,8X11MM,	
C423	2201-000599	31417-468-561	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4.5,	
C424	2305-000665	A1102-0298	C-FILM,MPEF	100NF,5%,63V,7.5X4.0X5.0M	
C425	2202-000121	A1100-0798	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
C426	2201-000291	31417-106-130	C-CERAMIC,DISC	1NF,10%,500V,Y5P,8.5X5MM,	
C602	2401-002229	A1104-0848	C-AL	470NF,20%,50V,WT,5X11.5,T	
C606	2401-000587	31607-803-280	C-AL	1UF,20%,50V,BP,6X11MM,5MM	
C607	2301-000192	31507-127-000	C-FILM,PEF	1NF,5%,50V,5.3X10MM,5MM,T	
C609	2401-000587	31607-803-280	C-AL	1UF,20%,50V,BP,6X11MM,5MM	
C611	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C612	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C620	2401-002294	A1104-0472	C-AL	1000UF,20%,25V,GP,10X20MM	
C701	2202-000243	A1100-0341	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19,-,T	
C703	2401-001530	31607-401-670	C-AL	47UF,20%,25V,GP,5X11MM,5M	
C704	2202-000121	A1100-0798	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
C705	2202-000121	A1100-0798	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
C801	2306-000321	A1102-0396	C-FILM,MPPF	470NF,5%,250V,-,22.5MM,TP	
C802	2306-000321	A1102-0396	C-FILM,MPPF	470NF,5%,250V,-,22.5MM,TP	
C803	2401-000302	31607-401-680	C-AL	100UF,20%,25V,GP,6X11MM,5	
C804	2201-000332	31467-102-010	C-CERAMIC,DISC	2.2NF,20%,250V,Y5U,-,7.5M	
C805	2201-000332	31467-102-010	C-CERAMIC,DISC	2.2NF,20%,250V,Y5U,-,7.5M	
C806	2401-001426	A1104-0538	C-AL	470UF,20%,400V,GP,35X45MM	
C807	2306-000323	A1102-0198	C-FILM,MPPF	2.2NF,5%,1.6KV,28.5X15.5X	
C808	2401-002289	A1104-0770	C-AL	470UF,20%,35V,WT,10X20MM,	
C809	2401-000851	A1104-0676	C-AL	220UF,20%,35V,HR,13X25.5,	
C810	2201-000990	31466-504-060	C-CERAMIC,DISC	4.7NF,20%,400V,Y5U,7X16,1	
C811	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C812	2201-000991	31417-901-400	C-CERAMIC,DISC	560PF,10%,2KV,Y5P,8X5.5,T	

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C813	2401-000293	31607-403-990	C-AL	100UF,+30-10%,200V,HR,16X	
C814	2201-000599	31417-468-561	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4.5,	
C815	2401-000901	31607-403-220	C-AL	22UF,20%,160V,GP,10X20MM,	
C816	2201-000599	31417-468-561	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4.5,	
C817	2401-002211	A1104-0560	C-AL	1000UF,20%,35V,LZ,13X25.5	
C818	2201-000599	31417-468-561	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4.5,	
C819	2401-002211	A1104-0560	C-AL	1000UF,20%,35V,LZ,13X25.5	
C820	2305-000412	A1102-0293	C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
C821	2401-003026		C-AL	330UF,20%,200V,GP,22X35MM	
C822	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
C823	2401-000832	31607-401-690	C-AL	220UF,20%,25V,GP,8X11MM,5	
C824	2301-000192	31507-127-000	C-FILM,PEF	1NF,5%,50V,5.3X10MM,5MM,T	
C825	2401-000395	31607-403-210	C-AL	10UF,20%,160V,GP,10X12.5M	
C826	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
C827	2306-000112	A1102-0314	C-FILM,MPPF	100NF,20%,250V,-,15MM,BK	
C828	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
C829	2401-000603	31607-402-210	C-AL	1UF,20%,50V,GP,5X11MM,5MM	
C830	2401-000302	31607-401-680	C-AL	100UF,20%,25V,GP,6X11MM,5	
C831	2401-000440	31607-401-430	C-AL	10UF,20%,25V,GP,5X11MM,5M	
C832	2201-000990	31466-504-060	C-CERAMIC,DISC	4.7NF,20%,400V,Y5U,7X16,1	
C833	2401-000440	31607-401-430	C-AL	10UF,20%,25V,GP,5X11MM,5M	
C834	2305-000289	A1102-0291	C-FILM,MPEF	220NF,5%,63V,-,5MM,TP	
C834	2305-000665	A1102-0298	C-FILM,MPEF	100NF,5%,63V,7.5X4.0X5.0M	
C901	2202-000183	A1100-0990	C-CERAMIC,MLC-AXIAL	2.2NF,20%,16V,Y5R,3.5X19M	
C903	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C904	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C905	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
C906	2301-000108	31507-127-001	C-FILM,PEF	1.5NF,5%,50V,6.5X3.0X5.5M	
C907	2201-000234	31407-105-700	C-CERAMIC,DISC	150PF,5%,50V,NP0,10X3.5.5	
C909	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5,-	
C910	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C911	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5,-	
C912	2201-000193	31407-105-090	C-CERAMIC,DISC	10PF,0.3PF,50V,NP0,-,5,TP	
C913	2201-000573	31407-105-260	C-CERAMIC,DISC	47PF,5%,50V,NP0,6.5X3.0.5	
C914	2301-000188	31507-137-001	C-FILM,PEF	1NF,5%,100V,10.5X12.5X6.5	
C915-1	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C916	2401-000440	31607-401-430	C-AL	10UF,20%,25V,GP,5X11MM,5M	
C917	2202-000173	A1100-0338	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5,-	
C919	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C920	2401-001333	31607-402-200	C-AL	0.47UF,20%,50V,GP,5X11.5,	
C921	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C923	2301-000188	31507-137-001	C-FILM,PEF	1NF,5%,100V,10.5X12.5X6.5	
C924	2301-000264	31507-127-016	C-FILM,PEF	4.7NF,5%,50V,6.5X5.5X3.0X	
C925	2305-000665	A1102-0298	C-FILM,MPEF	100NF,5%,63V,7.5X4.0X5.0M	
C926	2401-002291	31607-972-006	C-AL	47UF,20%,16V,GP,6.3X5MM,5	
CLAMP	AA65-30002A	33333-0005-010	CLAMP-FBT	-,NYLON-66,V0,BLK,-,-	
CLAMP	AA65-30003A	33333-0011-000	CLAMP-WIRE	-,NYLON-66,V0,NTR,V-MODEL	
CLAMP	AA65-30009A	36633-101-911	CLAMP-FBT	-,ABS,V0,BLK,-,-	
CN01B	3711-002647	33347-110-150	CONNECTOR-HEADER	BOX,8P,1R,2.5MM,STRAIGHT,	
CN05B	3711-002644	33347-108-180	CONNECTOR-HEADER	BOX,5P,1R,2.5MM,STRAIGHT,	
CN07B	3711-002648	33347-110-110	CONNECTOR-HEADER	BOX,9P,1R,2.5MM,STRAIGHT,	
CN08B	3711-002645	33347-108-140	CONNECTOR-HEADER	BOX,6P,1R,2.5MM,STRAIGHT,	
CN09A	3711-002644	33347-108-180	CONNECTOR-HEADER	BOX,5P,1R,2.5MM,STRAIGHT,	
CN10B	3711-002644	33347-108-180	CONNECTOR-HEADER	BOX,5P,1R,2.5MM,STRAIGHT,	
CNT01	3711-002642	33347-108-310	CONNECTOR-HEADER	BOX,3P,1R,2.5MM,STRAIGHT,	
CNT02	3711-002643	33347-114-810	CONNECTOR-HEADER	BOX,4P,1R,2.5MM,STRAIGHT,	
CNT03	3711-002646	33347-108-110	CONNECTOR-HEADER	BOX,7P,1R,2.5MM,STRAIGHT,	
CW701	2503-000160	A1113-0017	C-NETWORK	330PFX7,20%,50V	
CW901	2503-000158	A1113-0015	C-NETWORK	330PFX4,20%,50V	
CW902	2503-000156	A1113-0018	C-NETWORK	100PFX4,20%,50V	
D102	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D201	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	

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D202	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D203	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D204	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D205	0402-000129	32167-201-070	DIODE-RECTIFIER	1N4003,200V,1A,DO-41	
D207	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D208	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D401	0402-000129	32167-201-070	DIODE-RECTIFIER	1N4003,200V,1A,DO-41	
D402	0402-000129	32167-201-070	DIODE-RECTIFIER	1N4003,200V,1A,DO-41	
D403	0402-000540	B4102-0068	DIODE-RECTIFIER	RU20A,600V,1.5A,-	
D404	0402-000493	32167-207-120	DIODE-RECTIFIER	1R5GU41,400V,1.5A,DO-15L	
D405	0402-000010	32167-201-190	DIODE-RECTIFIER	RGP15G,400V,1.5A,DO-204AC	
D406	0402-000533	B4114-0014	DIODE-RECTIFIER	FMP-3FU,600/1500V,5A,TO-2	
D407	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D408	0402-000493	32167-207-120	DIODE-RECTIFIER	1R5GU41,400V,1.5A,DO-15L	
D801	0402-001018		DIODE-BRIDGE	RBV606,600V,6A,SIP-4	
D803	0402-000493	32167-207-120	DIODE-RECTIFIER	1R5GU41,400V,1.5A,DO-15L	
D803	0402-000493	32167-207-120	DIODE-RECTIFIER	1R5GU41,400V,1.5A,DO-15L	
D804	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D805	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D807	0402-000493	32167-207-120	DIODE-RECTIFIER	1R5GU41,400V,1.5A,DO-15L	
D808	0402-000540	B4102-0068	DIODE-RECTIFIER	RU20A,600V,1.5A,-	
D810	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D811	0402-000129	32167-201-070	DIODE-RECTIFIER	1N4003,200V,1A,DO-41	
D812	0402-000213	32167-208-580	DIODE-RECTIFIER	ERB12-06,600V,1.0A,DO-41	
D813	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D815	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D816	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D817	0403-000296	32167-401-800	DIODE-ZENER	MTZ5.6B,5.6V,5.45-5.73V,5	
D818	0403-000296	32167-401-800	DIODE-ZENER	MTZ5.6B,5.6V,5.45-5.73V,5	
D901	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D903	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D904	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D905	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
DZ101	0403-000563	32167-406-130	DIODE-ZENER	MTZ9.1B,9.1V,8.57-9.01V,5	
DZ401	0403-000668	32167-406-260	DIODE-ZENER	MTZ8.2B,8.2V,7.78-8.19V,5	
DZ402	0403-000700	A4106-0227	DIODE-ZENER	TZP33A,33V,31-35V,1W,DO-4	
DZ801	1405-000152	A1330-0063	VARISTOR	560V,2500A,14X8.5MM,TP	
DZ802	1405-000152	A1330-0063	VARISTOR	560V,2500A,14X8.5MM,TP	
DZ804	0403-000704	A4106-0204	DIODE-ZENER	TZP7.5B,7.5V,7.5-8.4V,1W,	
DZ805	0403-000656	32167-403-780	DIODE-ZENER	MTZ15C,15V,14.35-15.09V,5	
DZ901	1203-000451	32119-101-360	IC-VOLTAGE REGULATOR	33,TO-92,3P,-,PLASTIC,31/	
DZ902	0403-000295	32167-406-080	DIODE-ZENER	MTZ5.1B,5.1V,4.94-5.20V,5	
DZ903	0403-000297	32167-408-080	DIODE-ZENER	MTZ6.2B,6.2V,5.96-6.27V,5	
DZ904	0403-000664	32167-406-040	DIODE-ZENER	MTZ3.6A,3.6V,3.455-3.695V	
DZ905	0403-000296	32167-401-800	DIODE-ZENER	MTZ5.6B,5.6V,5.45-5.73V,5	
EYELET	AA60-40011A	33104-107-210	EYELET	ID2.0,OD2.8,-,-,BST,-	EY01~EY81
EYELET	AA60-40011B	33104-107-220	EYELET	ID2.2,OD3.2,-,-,BSP,-	EL01~EL24
F801	3601-000260	34709-830-060	FUSE-FERRULE	250V,3.15A,TIME LAG,CERAM	
F801A	3602-000114	33167-001-001	FUSE-HOLDER	-,-,30MOHM	
F801B	3602-000114	33167-001-001	FUSE-HOLDER	-,-,30MOHM	
GT102	AA39-20010C	33054-834-017	LEAD-CONNECTOR,ASSY	-,YFH800-01,S,1P,600,1617	
HIC101	AA13-20004A		IC-HYBRID	-,PAP102,SIP,6P,PRE-AMP	
HIC801	AA13-20003A	A4010-0093	IC-HYBRID	-,PCL001T,SIP,5P,SMPS CON	
IC201	1204-000443	B4012-0407	IC-PAL/NTSC PROCESS	TDA8375,DIP,56P,-,PLASTIC	
IC202	1209-000214	B4012-0361	IC-DELAY LINE	TDA4665,DIP,16P,300MIL,PL	
IC203	1204-000524	B4012-0469	IC-DECODER	TDA8395P/N1,DIP,16P,-,PLA	
IC401	1203-000243	A4008-0178	IC-POSI.FIXED REG.	7812A,TO-220,3P,-,PLASTIC	
IC803	1203-000580	32119-110-098	IC-POWER PRESCALER	130,TO-220,3P,-,PLASTIC,1	
IC901	AA13-30002G	B4000-0161	IC-MCU	-,Z8933112PSC-R1789,16BIT	
IC901	AA13-30012E		IC-MCU	-,Z8933212PSC-R2656,16BIT	CK6202N
IC902	1103-000156	B4000-0135	IC-EEPROM	24C04,512X8BIT,DIP,8P,300	
J143	2001-001043	A1000-0656	R-CARBON(S)	OOHM,5%,1/2W,AB,TP,2.4X6.	

Loc No	New Code No	Old Code No	Description	Specification	Remark
J333	2001-001043	A1000-0656	R-CARBON(S)	00HM,5%,1/2W,AB,TP,2.4X6.	
J416	2001-001043	A1000-0656	R-CARBON(S)	00HM,5%,1/2W,AB,TP,2.4X6.	
JA701	3722-000195	A3040-0177	JACK-RCA	42P,-,SN,BLACK,-	
L101	2701-000197	32427-904-922	INDUCTOR-AXIAL	5.6UH,10%,2.5X3.4MM	
L104	2701-000215	32427-904-923	INDUCTOR-AXIAL	8.2UH,10%,2.5X3.4MM	
L201	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L202	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L203	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L204	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L205	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L206	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L207	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L208	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L209	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L301	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L302	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L401	AA27-10003A	A1130-0093	COIL-CHOKE	-,30MH,10%,40.250MA,BK,30	
L402	AA27-40001E	32449-412-601	COIL-HORIZ.WIDTH	-,1.5MH,SB-5S820,2UEW0.6,	
L402	AA27-40003A		COIL-HORIZ.WIDTH	-,1MH,SB-5S 8X20,P10.12,-	CK7202WB
L403	AA27-30001M	32449-730-013	COIL-LINEARITY	-,44UH,0WA14.5,P10.2X10.1	
L404	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L405	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L406	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L601	2901-000297	A1247-0054	FILTER-EMI ON BOARD	-,3A,-,-	
L602	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L603	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L604	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L701	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L702	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L703	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L704	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L705	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L706	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L707	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L708	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L801	AA29-30001P	32429-633-140	FILTER-LINE	-,6MH,1.1A,-,SQE-2424	
L802	AA29-30001P	32429-633-140	FILTER-LINE	-,6MH,1.1A,-,SQE-2424	
L803	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L804	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L805	2901-000299	B1247-0057	FILTER-EMI ON BOARD	-,6A,UL/CSA,-	
L806	2901-000299	B1247-0057	FILTER-EMI ON BOARD	-,6A,UL/CSA,-	
L807	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L808	AA27-10002Y	B1133-0009	COIL-CHOKE	-,100UH,K,10,700MA,T,100U	
L809	2901-000299	B1247-0057	FILTER-EMI ON BOARD	-,6A,UL/CSA,-	
L810	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L811	2901-000298	B1247-0051	FILTER-EMI ON BOARD	-,6A,-,-	
L811	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L901	2702-000181	32427-904-941	INDUCTOR-RADIAL	680UH,5%,6X6.4MM	
L902	2701-000142	32427-904-918	INDUCTOR-AXIAL	1UH,10%,2.5X3.4MM	
L903	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L904	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L905	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L906	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LD801	AA27-20002D	A1149-0016	COIL-DEGAUSSING	-,25",14.50HM,55T,L2770,E	
LD801	AA27-20002B		COIL-DEGAUSSING	-,29",13.30HM,70T,L3100,E	CK7202WB
LEAD/C	AA39-20015B	33058-003-008	LEAD-CONNECTOR,ASSY	-,67096-003,-,3(2)P,200,1	
NT801	1404-000181	32189-609-381	THERMISTOR-NTC	4.70HM,20%,2900K,-,BK	
P801	1404-000178	A1332-0017	THERMISTOR-PTC	70HM,20%,-,290V,25A,-,BK	
PC801	0604-000117	32309-024-040	PHOTO-COUPLER	TR,130-260%,200MW,DIP-4,S	
PIN-GT	AA60-40014A	33124-111-100	PIN-GT,ASSY	1P,-,-,AUTO	PIN-GT,ALL
Q201	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
Q202	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	

Loc No	New Code No	Old Code No	Description	Specification	Remark
Q203	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
Q204	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	
Q205	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	
Q207	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	
Q208	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
Q402	0502-001007		TR-POWER	KSC2073-H2,NPN,150V,150V,	
Q701	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
Q702	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
Q703	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	
Q802	0502-000244	A4052-0055	TR-POWER	KSA940,PNP,1.5W,TO-220,-,	
Q805	0503-000153	A4058-0009	TR-DARLINGTON	TIP102,NPN,100V,100V,8A,2	
Q901	0501-000369	32137-301-560	TR-SMALL SIGNAL	KSC2331-Y,NPN,80V,60V,700	
Q902	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
Q903	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
Q905	0504-000123	A4060-0033	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q906	0504-000123	A4060-0033	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q907	0504-000123	A4060-0033	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q908	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
Q909	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
R101	2004-001995	31018-177-912	R-METAL	9.1KOHM,5%,1/8W,AA,TP,1.8	
R102	2001-000660	31018-177-333	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R103	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R104	2001-001079	31018-377-150	R-CARBON(S)	15OHM,5%,1/2W,AA,TP,2.4X6	
R105	2001-001079	31018-377-150	R-CARBON(S)	15OHM,5%,1/2W,AA,TP,2.4X6	
R112	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R114	2001-000490	31018-177-201	R-CARBON	200OHM,5%,1/8W,AA,TP,1.8X	
R115	2001-001198	A1000-0653	R-CARBON(S)	91KOHM,5%,1/2W,AB,TP,2.4X	
R116	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R117	2004-001291	31018-177-821	R-METAL	820OHM,5%,1/8W,AA,TP,1.8X	
R118	2004-001229	31018-177-751	R-METAL	750OHM,5%,1/8W,AA,TP,1.8X	
R119	2001-000331	31018-177-123	R-CARBON	12KOHM,5%,1/8W,AA,TP,1.8X	
R202	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R203	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R204	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R205	2001-000577	31018-177-202	R-CARBON	2KOHM,5%,1/8W,AA,TP,1.8X3	
R206	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R207	2001-000003	31018-177-331	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R208	2001-000003	31018-177-331	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R209	2001-000003	31018-177-331	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R210	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R211	2001-000773	31018-177-474	R-CARBON	470KOHM,5%,1/8W,AA,TP,1.8	
R212	2001-000273	31018-177-104	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
R214	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R215	2001-000008	31018-177-153	R-CARBON	15KOHM,5%,1/8W,AA,TP,1.8X	
R216	2001-000832	31018-177-511	R-CARBON	510OHM,5%,1/8W,AA,TP,1.8X	
R217	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R218	2004-001914	31048-163-902	R-METAL	39KOHM,2%,1/8W,AA,TP,1.8X	
R219	2001-000016	31018-377-109	R-CARBON(S)	10HM,5%,1/2W,AA,TP,2.4X6.	
R220	2001-000273	31018-177-104	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
R221	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R224	2001-000563	31018-177-273	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
R225	2001-000522	31018-177-223	R-CARBON	22KOHM,5%,1/8W,AA,TP,1.8X	
R227	2001-000397	31018-177-184	R-CARBON	180KOHM,5%,1/8W,AA,TP,1.8	
R229	2001-000780	31018-177-471	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R230	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R231	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R232	2001-000793	31018-177-470	R-CARBON	47OHM,5%,1/8W,AA,TP,1.8X3	
R233	2001-000793	31018-177-470	R-CARBON	47OHM,5%,1/8W,AA,TP,1.8X3	
R237	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R238	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R241	2001-000356	31018-177-154	R-CARBON	150KOHM,5%,1/8W,AA,TP,1.8	
R242	2004-001201	31018-177-683	R-METAL	68KOHM,5%,1/8W,AA,TP,1.8X	

Loc No	New Code No	Old Code No	Description	Specification	Remark
R243	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R301	2001-001055	31018-377-182	R-CARBON(S)	1.8KOHM,5%,1/2W,AA,TP,2.4	
R302	2003-001018	A1004-0449	R-METAL OXIDE(S)	220OHM,5%,2W,AF,TP,3.9X10	
R303	2003-001018	A1004-0449	R-METAL OXIDE(S)	220OHM,5%,2W,AF,TP,3.9X10	
R304	2001-000660	31018-177-333	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R305	2001-000016	31018-377-109	R-CARBON(S)	10HM,5%,1/2W,AA,TP,2.4X6.	
R306	2001-000016	31018-377-109	R-CARBON(S)	10HM,5%,1/2W,AA,TP,2.4X6.	
R307	2008-000179	31057-002-100	R-FUSIBLE(S)	100HM,5%,1/2W,AA,TP,2.5X6	
R401	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
R402	2001-000591	31018-177-332	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8	
R403	2003-001034	A1004-0467	R-METAL OXIDE(S)	270OHM,5%,1W,AF,TP,3.9X10	
R404	2001-000117	31018-377-680	R-CARBON(S)	680HM,5%,1/2W,AA,TP,2.4X6	
R406	2001-000028	31018-377-101	R-CARBON(S)	1000HM,5%,1/2W,AA,TP,2.4X	
R407	2001-001153	31018-377-470	R-CARBON(S)	470HM,5%,1/2W,AA,TP,2.4X6	
R408	2003-001091	A1004-0405	R-METAL OXIDE(S)	100HM,5%,2W,AF,TP,4X12MM	
R409	2008-000264	A1010-0065	R-FUSIBLE(S)	10HM,5%,1W,AF,TP,3.9X10MM	
R411	2008-000266	A1010-0061	R-FUSIBLE(S)	10HM,5%,2W,AF,TP,3.9X10MM	
R412	2008-000251	A1010-0066	R-FUSIBLE(S)	0.27OHM,10%,2W,AF,TP,3.9X	
R413	2001-001194	31018-377-823	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X	
R414	2004-001405	31049-375-793	R-METAL(S)	79KOHM,1%,1/2W,AA,TP,2.4X	
R414	2004-001967		R-METAL(S)	68KOHM,1%,1/2W,AA,TP,6.5X	CK7202WB
R415	2003-000993	A1004-0481	R-METAL OXIDE(S)	3.9KOHM,5%,1W,AF,TP,2.5X6	
R416	2001-001138	31018-377-391	R-CARBON(S)	390OHM,5%,1/2W,AA,TP,2.4X	
R417	2004-001390	31048-361-001	R-METAL(S)	1KOHM,2%,1/2W,AA,TP,2.4X6	
R418	2001-001155	31018-377-562	R-CARBON(S)	5.6KOHM,5%,1/2W,AA,TP,2.4	
R419	2001-000563	31018-177-273	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
R420	2004-001234	31018-177-753	R-METAL	75KOHM,5%,1/8W,AA,TP,1.8X	
R421	2004-001405	31049-375-793	R-METAL(S)	79KOHM,1%,1/2W,AA,TP,2.4X	
R421	2004-001967		R-METAL(S)	68KOHM,1%,1/2W,AA,TP,6.5X	CK7202WB
R422	2001-001131	31018-377-333	R-CARBON(S)	33KOHM,5%,1/2W,AA,TP,2.4X	
R423	2003-001091	A1004-0405	R-METAL OXIDE(S)	100HM,5%,2W,AF,TP,4X12MM	
R424	2003-001091	A1004-0405	R-METAL OXIDE(S)	100HM,5%,2W,AF,TP,4X12MM	
R427	2003-002008		R-METAL OXIDE(S)	18KOHM,5%,2W,AF,TP,3.9X10	
R428	2001-001152	31018-377-473	R-CARBON(S)	47KOHM,5%,1/2W,AA,TP,2.4X	
R602	2008-001002		R-FUSIBLE(S)	0.18OHM,5%,2W,AA,TP,3.9X1	
R603	2008-001002		R-FUSIBLE(S)	0.18OHM,5%,2W,AA,TP,3.9X1	
R604	2001-000605	31018-177-362	R-CARBON	3.6KOHM,5%,1/8W,AA,TP,1.8	
R605	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R610	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R614	2001-000605	31018-177-362	R-CARBON	3.6KOHM,5%,1/8W,AA,TP,1.8	
R615	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R701	2001-000515	31018-177-221	R-CARBON	2200HM,5%,1/8W,AA,TP,1.8X	
R702	2001-000515	31018-177-221	R-CARBON	2200HM,5%,1/8W,AA,TP,1.8X	
R703	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
R704	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
R705	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
R707	2001-000515	31018-177-221	R-CARBON	2200HM,5%,1/8W,AA,TP,1.8X	
R708	2001-000515	31018-177-221	R-CARBON	2200HM,5%,1/8W,AA,TP,1.8X	
R709	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
R710	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
R711	2001-000660	31018-177-333	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R712	2001-000539	31018-177-243	R-CARBON	24KOHM,5%,1/8W,AA,TP,1.8X	
R713	2001-000411	31018-177-183	R-CARBON	18KOHM,5%,1/8W,AA,TP,1.8X	
R714	2001-000780	31018-177-471	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
R715	2001-000786	31018-177-473	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X	
R716	2001-000362	31018-177-151	R-CARBON	1500HM,5%,1/8W,AA,TP,1.8X	
R717	2001-000362	31018-177-151	R-CARBON	1500HM,5%,1/8W,AA,TP,1.8X	
R718	2004-001240	31018-177-750	R-METAL	750HM,5%,1/8W,AA,TP,1.8X3	
R719	2004-001240	31018-177-750	R-METAL	750HM,5%,1/8W,AA,TP,1.8X3	
R720	2001-000003	31018-177-331	R-CARBON	3300HM,5%,1/8W,AA,TP,1.8X	
R721	2001-000660	31018-177-333	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R722	2001-000539	31018-177-243	R-CARBON	24KOHM,5%,1/8W,AA,TP,1.8X	

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R723	2004-001240	31018-177-750	R-METAL	750HM,5%,1/8W,AA,TP,1.8X3	
R724	2004-001240	31018-177-750	R-METAL	750HM,5%,1/8W,AA,TP,1.8X3	
R725	2001-000780	31018-177-471	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
R726	2004-001240	31018-177-750	R-METAL	750HM,5%,1/8W,AA,TP,1.8X3	
R801	2002-000328	31028-378-335	R-COMPOSITION	3.3MOHM,10%,1/2W,AA,TP,3.	
R802	2003-001090	A1004-0431	R-METAL OXIDE(S)	10KOHM,5%,2W,AF,TP,4X12MM	
R803	2003-001090	A1004-0431	R-METAL OXIDE(S)	10KOHM,5%,2W,AF,TP,4X12MM	
R804	2006-000334	A1008-0016	R-CEMENT	0.18OHM,10%,5W,CJ,TP,5.5X	
R805	2006-000295	A1014-0094	R-CEMENT	11OHM,5%,5W,CB,TP,9X13X25	
R806	2001-001088	31018-377-102	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6	
R807	2003-000784	A1004-0414	R-METAL OXIDE(S)	7.5KOHM,5%,2W,AF,TP,4X12M	
R808	2003-001090	A1004-0431	R-METAL OXIDE(S)	10KOHM,5%,2W,AF,TP,4X12MM	
R809	2001-001117	A1000-0586	R-CARBON(S)	2KOHM,5%,1/2W,AA,TP,2.4X6	
R810	2001-001117	A1000-0586	R-CARBON(S)	2KOHM,5%,1/2W,AA,TP,2.4X6	
R811	2006-000295	A1014-0094	R-CEMENT	11OHM,5%,5W,CB,TP,9X13X25	
R812	2003-000592	A1004-0409	R-METAL OXIDE(S)	22OHM,5%,2W,AD,TP,4X12MM	
R813	2001-001088	31018-377-102	R-CARBON(S)	1KOHM,5%,1/2W,AA,TP,2.4X6	
R814	2002-000328	31028-378-335	R-COMPOSITION	3.3MOHM,10%,1/2W,AA,TP,3.	
R815	2002-000328	31028-378-335	R-COMPOSITION	3.3MOHM,10%,1/2W,AA,TP,3.	
R816	2001-000117	31018-377-680	R-CARBON(S)	68OHM,5%,1/2W,AA,TP,2.4X6	
R817	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R818	2008-000299	A1010-0094	R-FUSIBLE	47OHM,5%,2W,AF,TP,3.9X10M	
R819	2008-000266	A1010-0061	R-FUSIBLE(S)	10HM,5%,2W,AF,TP,3.9X10MM	
R820	2001-001143	31018-377-432	R-CARBON(S)	4.3KOHM,5%,1/2W,AA,TP,2.4	
R821	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R822	2003-001090	A1004-0431	R-METAL OXIDE(S)	10KOHM,5%,2W,AF,TP,4X12MM	
R823	2001-001117	A1000-0586	R-CARBON(S)	2KOHM,5%,1/2W,AA,TP,2.4X6	
R824	2001-001093	A1000-0390	R-CARBON(S)	2.2KOHM,5%,1/2W,AA,TP,2.4	
R825	2001-001150	31018-377-474	R-CARBON(S)	470KOHM,5%,1/2W,AA,TP,2.4	
R826	2001-001150	31018-377-474	R-CARBON(S)	470KOHM,5%,1/2W,AA,TP,2.4	
R827	2001-001078	31018-377-153	R-CARBON(S)	15KOHM,5%,1/2W,AA,TP,2.4X	
R828	2001-001187	31018-377-750	R-CARBON(S)	750HM,5%,1/2W,AA,TP,2.4X6	
R829	2001-001143	31018-377-432	R-CARBON(S)	4.3KOHM,5%,1/2W,AA,TP,2.4	
R831	2003-000994	A1004-0479	R-METAL OXIDE(S)	33KOHM,5%,2W,AF,TP,3.9X10	
R901	2004-001193	31018-177-681	R-METAL	6800HM,5%,1/8W,AA,TP,1.8X	
R902	2004-001193	31018-177-681	R-METAL	6800HM,5%,1/8W,AA,TP,1.8X	
R903	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
R904	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
R906	2001-000313	31018-177-113	R-CARBON	11KOHM,5%,1/8W,AA,TP,1.8X	
R907	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R908	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R909	2001-000066	31018-377-103	R-CARBON(S)	10KOHM,5%,1/2W,AA,TP,2.4X	
R910	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R911	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R912	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R913	2001-000273	31018-177-104	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
R914	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R915	2001-000006	31018-177-242	R-CARBON	2.4KOHM,5%,1/8W,AA,TP,1.8	
R916	2001-001062	31018-377-106	R-CARBON(S)	10MOHM,5%,1/2W,AA,TP,2.4X	
R917	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R918	2001-001099	31018-377-272	R-CARBON(S)	2.7KOHM,5%,1/2W,AA,TP,2.4	
R919	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R920	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R921	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R922	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R923	2001-000214	31018-177-112	R-CARBON	1.1KOHM,5%,1/8W,AA,TP,1.8	
R924	2004-001193	31018-177-681	R-METAL	6800HM,5%,1/8W,AA,TP,1.8X	
R925	2001-000241	31018-177-152	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R926	2001-000241	31018-177-152	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R927	2001-001099	31018-377-272	R-CARBON(S)	2.7KOHM,5%,1/2W,AA,TP,2.4	
R929	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R930	2001-000003	31018-177-331	R-CARBON	3300HM,5%,1/8W,AA,TP,1.8X	

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R931	2001-000003	31018-177-331	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R932	2001-000003	31018-177-331	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R933	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R934	2004-001201	31018-177-683	R-METAL	68KOHM,5%,1/8W,AA,TP,1.8X	
R935	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R936	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R937	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R938	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R939	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R940	2001-000281	31018-177-101	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R941	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R942	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R943	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R944	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R947	2001-001062	31018-377-106	R-CARBON(S)	10MOHM,5%,1/2W,AA,TP,2.4X	
R948	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R950	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R954	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
RL801	3501-000285	34729-004-010	RELAY-POWER	12V,-,10A,-,15MS,5MS	
RW701	B1018-0051		R-NETWORK	RN 1/8 CB 6P 33K/24K/75RX	
RW901	2011-000860	A1018-0094	R-NETWORK	4.7KOHM,5%,1/8W,A,SIP,4P,	
RZ906	2001-000832	31018-177-511	R-CARBON	510OHM,5%,1/8W,AA,TP,1.8X	
SF101	2904-000302	B1245-0063	FILTER-SAW AV	38.90MHZ,-,ST	
SW901	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW902	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW903	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW904	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW905	3404-000244	B3018-0034	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
T201	AA26-10005G	A1190-0013	TRANS-IF	-,7MG,VIF,150NH,-,-,38.8M	
T401	AA26-50001R		TRANS-HORIZ DRIVE	-,80MH,580UH,4UH,G11A EI1	
T444	AA26-30002K	A1201-0048	TRANS-FLYBACK	-,FTH-29A001,29",130V	
T801	AA26-20004E	A1206-0097	TRANS-SWITCHING	-,80-260V,-,ER534521,460U	
TU01	AA40-10003T	B1292-0101	TUNER-V/S	TELE4-016,PAL-B/G,BK,181C	
X201	2801-000235	B1280-0089	CRYSTAL-UNIT	3.579545MHZ,40PPM,28-AAM,	
X202	2801-000274	B1280-0196	CRYSTAL-UNIT	4.433619MHZ,30PPM,28-AAM,	
X901	B1280-0219		CRYSTAL	32.768KHZ P3 20PPM	
Z102	B1243-0052		FILTER-CERAMIC	TR 5.5M TPS5.5MWATF21	
			ASSY-H/S,SOUND		
IC601	1201-001064		IC-POWER AMP	7297,ZIP,15P,-,DUAL,32DB,	
			ASSY-H/S,TR		
Q403	0502-000242	A4052-0057	TR-POWER	KSA614-Y,PNP,25W,TO-220,T	
			ASSY-H/S,TR		
D806	0402-000231	B4102-0074	DIODE-RECTIFIER	FMG-G26S,600V,4A,TO-220F	
			ASSY-H/S,TR		
D809	0402-000564	B4102-0087	DIODE-RECTIFIER	FML-G22S,200V,10A,TO-220	
			ASSY-H/S,TR		
Q401	0502-000450	32159-210-032	TR-POWER	2SD1887YD,NPN,1500V,800V,	
			ASSY-H/S,TR		
IC804	1203-000568	A4008-1262	IC-VOLTAGE REGULATOR	78R05,TO-220,3P,-,PLASTIC	

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			ASSY-H/S,POWER		
IC801	AA13-20002K	B4010-0042	IC-HYBRID	-,STR-S6709 LF953,SIP,9P,	
			ASSY-H/S,VERT		
IC301	1204-000426	B4012-0607	IC-VERTICAL PROCESSO	TDA8350Q/N4,SIP,13P,-,PLA	
			ASSY-H/S,MAIN		
IC802	1203-000588	A4008-1237	IC-POSI,FIXED REG.	7630,SIP,10P,-,PLASTIC,5.	
			ASSY-ACCESSORY		
RCA/CA	AA39-40001B	33394-100-120	CABLE-RCA	-,RCA,1500MM,0.12/10,RED/	
USER/M	AA68-10865A		MANUAL-USERS	SCT12B,W/P 100(G),-,ENG,E	
S/D-M	AA68-20037A		MANUAL-S/D	SCT12B,W/P 100(G),-,ENG,-	
USER/M	AA68-10275A		MANUAL-USERS	PV2,W/P 100(G),-,ENG,-,CX	CX6202WB
USER/M	AA68-10277A		MANUAL-USERS	PV2,W/P 100(G),-,GER,-,-	CX6202WB
USER/M	AA68-10291A		MANUAL-USERS	PV2,W/P 100(G),-,HUN,-,-	CK6202N
			ASSY-CRT		
CRT	AA03-10001K	32019-400-140	CRT-COLOR	-,A59KPR84X05(B),+380MG,2	
CRT	AA03-10001Y		CRT-COLOR	-,A68KVM74X02(B),+380MG,2	CK7202WB
CRT	AA03-10008T		CRT-COLOR	-,A59KPR84X05,+380MG,25",	CK6202N
			ASSY-PCB,CRT		
	*AA95-20003H	3D32-00010-540	ASSY-PCB,CRT	-,SCT12B,25",EUROPE,-	
C501	2201-000245	31407-057-151	C-CERAMIC,DISC	15PF,5%,50V,NP0,10X3.5,5,	
C502	2201-000245	31407-057-151	C-CERAMIC,DISC	15PF,5%,50V,NP0,10X3.5,5,	
C503	2201-000245	31407-057-151	C-CERAMIC,DISC	15PF,5%,50V,NP0,10X3.5,5,	
C504	2305-000665	A1102-0298	C-FILM,MPEF	100NF,5%,63V,7.5X4.0X5.0M	
C505	2305-000665	A1102-0298	C-FILM,MPEF	100NF,5%,63V,7.5X4.0X5.0M	
C506	2305-000665	A1102-0298	C-FILM,MPEF	100NF,5%,63V,7.5X4.0X5.0M	
C507	2301-000224	31507-127-008	C-FILM,PEF	22NF,5%,50V,7.4X3.9X13MM,	
C508	2301-000224	31507-127-008	C-FILM,PEF	22NF,5%,50V,7.4X3.9X13MM,	
C509	2301-000224	31507-127-008	C-FILM,PEF	22NF,5%,50V,7.4X3.9X13MM,	
C510	2305-000410	31517-002-530	C-FILM,MPEF	470NF,5%,250V,21.5X7.9X13	
C511	2305-000410	31517-002-530	C-FILM,MPEF	470NF,5%,250V,21.5X7.9X13	
C512	2305-000410	31517-002-530	C-FILM,MPEF	470NF,5%,250V,21.5X7.9X13	
C513	2201-000556	31417-106-090	C-CERAMIC,DISC	470PF,10%,500V,Y5P,6X3.5,	
C514	2201-000556	31417-106-090	C-CERAMIC,DISC	470PF,10%,500V,Y5P,6X3.5,	
C515	2201-000556	31417-106-090	C-CERAMIC,DISC	470PF,10%,500V,Y5P,6X3.5,	
C517	2201-000158	A1100-0783	C-CERAMIC,DISC	10NF,+80-20%,3KV,Y5V,-,10	
C518	2401-000430	31607-403-490	C-AL	10UF,20%,250V,GP,10X16,5,	
C519	2401-001937	A1104-0052	C-AL	22UF,20%,16V,GP,5X5MM,5MM	
C520	2401-000832	31607-401-690	C-AL	220UF,20%,25V,GP,8X11MM,5	
C522	2401-001177	31607-401-660	C-AL	33UF,20%,25V,GP,5X11MM,5M	
CN07	AA39-20031D	33058-022-020	LEAD-CONNECTOR,ASSY	-,67096-009,S,9P,500,1007	
CN07A	3711-002648	33347-110-110	CONNECTOR-HEADER	BOX,9P,1R,2.5MM,STRAIGHT,	
CN08	AA39-20027D	33058-017-024	LEAD-CONNECTOR,ASSY	-,67096-006,S,6P,600,1007	
CN08A	3711-002645	33347-108-140	CONNECTOR-HEADER	BOX,6P,1R,2.5MM,STRAIGHT,	
CNV01	3711-002642	33347-108-310	CONNECTOR-HEADER	BOX,3P,1R,2.5MM,STRAIGHT,	
CV01	2401-000832	31607-401-690	C-AL	220UF,20%,25V,GP,8X11MM,5	
CV02	2301-000380	31507-127-006	C-FILM,PEF	10NF,5%,50V,6.5X3MM,5MM,T	
CV03	2305-000665	A1102-0298	C-FILM,MPEF	100NF,5%,63V,7.5X4.0X5.0M	
CV04	2201-000611	31407-105-280	C-CERAMIC,DISC	56PF,5%,50V,NP0,6.3X3.5,T	

Loc No	New Code No	Old Code No	Description	Specification	Remark
CV05	2301-000232	31507-127-003	C-FILM,PEF	3.3NF,5%,50V,8.1X4.5X13MM	
CV06	2201-000139	31407-056-101	C-CERAMIC,DISC	100PF,2%,50V,NP0,-,5,TP	
CV07	2201-000606	31407-048-560	C-CERAMIC,DISC	56PF,10%,50V,RH,4X3.5MM,5	
CV08	2201-000980	31407-105-270	C-CERAMIC,DISC	30PF,5%,50V,NP0,5.0X3.0,5	
CV09	2201-000441	31417-106-190	C-CERAMIC,DISC	3.3NF,10%,500V,Y5P,10X4,5	
CV10	2401-000430	31607-403-490	C-AL	10UF,20%,250V,GP,10X16,5,	
CV11	2401-000440	31607-401-430	C-AL	10UF,20%,25V,GP,5X11MM,5M	
CV12	2401-000440	31607-401-430	C-AL	10UF,20%,25V,GP,5X11MM,5M	
CV13	2401-001527	A1104-0567	C-AL	47UF,20%,250V,HR,13X25MM,	
CV14	2401-001527	A1104-0567	C-AL	47UF,20%,250V,HR,13X25MM,	
CV15	2201-000604	31407-208-040	C-CERAMIC,DISC	56PF,+100-0%,500V,SL,-,5,	
CV16	2401-000395	31607-403-210	C-AL	10UF,20%,160V,GP,10X12.5M	
CV17	2201-000441	31417-106-190	C-CERAMIC,DISC	3.3NF,10%,500V,Y5P,10X4,5	
CV18	2201-000441	31417-106-190	C-CERAMIC,DISC	3.3NF,10%,500V,Y5P,10X4,5	
CV19	2401-000405	31607-803-120	C-AL	10UF,20%,16V,BP,6X11MM,5M	
CV20	2401-000440	31607-401-430	C-AL	10UF,20%,25V,GP,5X11MM,5M	
CV21	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
D501	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
D503	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D504	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D505	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D506	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D507	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D508	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D511	0402-000129	32167-201-070	DIODE-RECTIFIER	1N4003,200V,1A,DO-41	
D512	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
DV01	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
DV02	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
DV03	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
DV04	0402-000546	32167-201-170	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
DV05	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
DV06	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
DV07	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
DV08	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
DZ501	0403-000654	32167-406-250	DIODE-ZENER	MTZ12B,12V,11.44-12.03V,5	
DZ502	0403-000654	32167-406-250	DIODE-ZENER	MTZ12B,12V,11.44-12.03V,5	
DZ503	0403-000654	32167-406-250	DIODE-ZENER	MTZ12B,12V,11.44-12.03V,5	
DZ504	0403-000654	32167-406-250	DIODE-ZENER	MTZ12B,12V,11.44-12.03V,5	
DZ505	0403-000654	32167-406-250	DIODE-ZENER	MTZ12B,12V,11.44-12.03V,5	
DZ506	0403-000654	32167-406-250	DIODE-ZENER	MTZ12B,12V,11.44-12.03V,5	
DZ507	0403-000655	32167-406-150	DIODE-ZENER	MTZ13A,13V,12.11-12.75V,5	
EYELET	AA60-40011B	33104-107-220	EYELET	ID2.2,OD3.2,-,-,BSP,-	EY01,EY02
IC504	AA13-20003C	A4010-0095	IC-HYBRID	-,SPK101T,SIP,6P,SPOT KIL	
LV01	4711-000246	32469-107-020	DELAY LINE	330NS/200KHZ,-,34X9X2MM,B	
LV02	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
LV03	AA27-10001E	32427-226-080	COIL-CHOKE	-,1.0UH,K,25,2100A,T,SP04	
LV04	2702-000158	32427-904-760	INDUCTOR-RADIAL	39UH,10%,6X6.4MM	
PIN-GT	AA60-40014A	33124-111-100	PIN-GT,ASSY	1P,-,-,AUTO	PIN-GT,ALL
QV01	0501-000245	32157-210-000	TR-SMALL SIGNAL	BC548C,NPN,500MW,TO-92,TP	
QV02	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	
QV03	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
QV04	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	
QV05	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
QV06	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
QV07	0501-000369	32137-301-560	TR-SMALL SIGNAL	KSC2331-Y,NPN,80V,60V,700	
QV10	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
QV11	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
R501	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R502	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R503	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R510	2001-001070	31018-377-121	R-CARBON(S)	120OHM,5%,1/2W,AA,TP,2.4X	
R511	2001-000258	31018-177-182	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	

Loc No	New Code No	Old Code No	Description	Specification	Remark
R512	2001-000258	31018-177-182	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R513	2001-000258	31018-177-182	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R514	2001-000087	31018-377-124	R-CARBON(S)	120KOHM,5%,1/2W,AA,TP,2.4	
R515	2001-000087	31018-377-124	R-CARBON(S)	120KOHM,5%,1/2W,AA,TP,2.4	
R516	2001-000087	31018-377-124	R-CARBON(S)	120KOHM,5%,1/2W,AA,TP,2.4	
R517	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R518	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R519	2001-000515	31018-177-221	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R520	2001-001086	31018-377-183	R-CARBON(S)	18KOHM,5%,1/2W,AA,TP,2.4X	
R521	2002-000327	31028-328-272	R-COMPOSITION	2.7KOHM,10%,1/2W,AA,TP,3.	
R522	2002-000327	31028-328-272	R-COMPOSITION	2.7KOHM,10%,1/2W,AA,TP,3.	
R523	2002-000327	31028-328-272	R-COMPOSITION	2.7KOHM,10%,1/2W,AA,TP,3.	
R525	2002-000330	31028-328-472	R-COMPOSITION	4.7KOHM,10%,1/2W,AA,TP,3.	
R526	2008-000278	A1010-0053	R-FUSIBLE(S)	820OHM,5%,2W,AA,TP,3.9X10	
R527	2008-000189	31057-201-035	R-FUSIBLE	0.470HM,10%,2W,AA,TP,6X15	
R530	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R530	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
RV02	2001-000734	31018-177-472	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
RV03	2001-001178	31018-377-681	R-CARBON(S)	680OHM,5%,1/2W,AA,TP,2.4X	
RV04	2001-000362	31018-177-151	R-CARBON	150OHM,5%,1/8W,AA,TP,1.8X	
RV05	2001-000241	31018-177-152	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
RV06	2001-000331	31018-177-123	R-CARBON	12KOHM,5%,1/8W,AA,TP,1.8X	
RV07	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
RV08	2001-000522	31018-177-223	R-CARBON	22KOHM,5%,1/8W,AA,TP,1.8X	
RV09	2001-000577	31018-177-202	R-CARBON	2KOHM,5%,1/8W,AA,TP,1.8X3	
RV10	2001-000449	31018-177-222	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
RV11	2008-000275	A1010-0058	R-FUSIBLE(S)	561OHM,5%,2W,AA,TP,3.9X10	
RV12	2001-000331	31018-177-123	R-CARBON	12KOHM,5%,1/8W,AA,TP,1.8X	
RV13	2001-000331	31018-177-123	R-CARBON	12KOHM,5%,1/8W,AA,TP,1.8X	
RV14	2001-000780	31018-177-471	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
RV15	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RV16	2001-000221	31018-177-122	R-CARBON	1.2KOHM,5%,1/8W,AA,TP,1.8	
RV17	2001-000780	31018-177-471	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
RV18	2001-000554	31018-177-271	R-CARBON	2700HM,5%,1/8W,AA,TP,1.8X	
RV19	2001-000221	31018-177-122	R-CARBON	1.2KOHM,5%,1/8W,AA,TP,1.8	
RV20	2003-001092	A1004-0490	R-METAL OXIDE(S)	1200HM,5%,2W,AF,TP,3.9X10	
RV21	2001-000273	31018-177-104	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
RV22	2001-001045	31018-377-122	R-CARBON(S)	1.2KOHM,5%,1/2W,AA,TP,2.4	
RV23	2001-001050	31018-377-152	R-CARBON(S)	1.5KOHM,5%,1/2W,AA,TP,2.4	
RV24	2001-001179	31018-377-683	R-CARBON(S)	68KOHM,5%,1/2W,AA,TP,2.4X	
RV25	2001-001179	31018-377-683	R-CARBON(S)	68KOHM,5%,1/2W,AA,TP,2.4X	
RV26	2001-001050	31018-377-152	R-CARBON(S)	1.5KOHM,5%,1/2W,AA,TP,2.4	
RV27	2001-001045	31018-377-122	R-CARBON(S)	1.2KOHM,5%,1/2W,AA,TP,2.4	
RV28	2003-000744	31046-567-560	R-METAL OXIDE(S)	560HM,5%,2W,AA,TP,4X12MM	
RV29	2001-001152	31018-377-473	R-CARBON(S)	47KOHM,5%,1/2W,AA,TP,2.4X	
RV30	2003-000744	31046-567-560	R-METAL OXIDE(S)	560HM,5%,2W,AA,TP,4X12MM	
RV31	2001-001100	31018-377-279	R-CARBON(S)	2.70HM,5%,1/2W,AA,TP,2.4X	
RV32	2001-001100	31018-377-279	R-CARBON(S)	2.70HM,5%,1/2W,AA,TP,2.4X	
RV33	2003-000578	31046-567-221	R-METAL OXIDE(S)	2200HM,5%,2W,AA,TP,4X12MM	
RV34	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RV35	2001-000258	31018-177-182	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
RV36	2001-000221	31018-177-122	R-CARBON	1.2KOHM,5%,1/8W,AA,TP,1.8	
RV37	2001-000534	31018-177-241	R-CARBON	2400HM,5%,1/8W,AA,TP,1.8X	
RV38	2001-000577	31018-177-202	R-CARBON	2KOHM,5%,1/8W,AA,TP,1.8X3	
RV39	2001-000331	31018-177-123	R-CARBON	12KOHM,5%,1/8W,AA,TP,1.8X	
RV40	2001-000628	31018-177-301	R-CARBON	3000HM,5%,1/8W,AA,TP,1.8X	
RV41	2008-000294	A1010-0100	R-FUSIBLE	330HM,5%,2W,AF,TP,3.9X10M	
RV42	2004-001291	31018-177-821	R-METAL	8200HM,5%,1/8W,AA,TP,1.8X	
RV43	2001-000554	31018-177-271	R-CARBON	2700HM,5%,1/8W,AA,TP,1.8X	
V999	3704-000548	33356-063-680	SOCKET-CRT	14P,29,1PI,35.5PI,SN	
VL03	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
VL04	3301-000287	34047-019-060	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	

Loc No	New Code No	Old Code No	Description	Specification	Remark
			ASSY-H/S,TR		
QV09	0502-000153	32149-301-180	TR-POWER	2SC2344-D,NPN,180V,160V,1	
			ASSY-H/S,TR		
QV08	0502-000131	32149-101-080	TR-POWER	2SA1011-D,PNP,-180V,-160V	
			ASSY-H/S,TR		
IC501	1201-000506	32119-110-111	IC-VIDEO AMP	6101,ZIP,9P,-,SINGLE,-,PL	
			ASSY-H/S,TR		
IC502	1201-000506	32119-110-111	IC-VIDEO AMP	6101,ZIP,9P,-,SINGLE,-,PL	
			ASSY-H/S,TR		
IC503	1201-000506	32119-110-111	IC-VIDEO AMP	6101,ZIP,9P,-,SINGLE,-,PL	
			ASSY-PCB,CONTROL		
	*AA95-30002B	*3D33-00594-220	ASSY-PCB,CONTROL	-,SCT12B,-,-	
LDR01	0601-000542	32309-121-005	LED	ROUND,RED/GRN,5MM,630/565	
RR	2001-000522	31018-177-223	R-CARBON	22KOHM,5%,1/8W,AA,TP,1.8X	
RR01	2001-000793	31018-177-470	R-CARBON	470HM,5%,1/8W,AA,TP,1.8X3	
CR01	2401-001495	31607-401-460	C-AL	47UF,20%,16V,GP,5X11MM,5M	
SCREW	6001-000057	37048-130-063	SCREW-MACHINE	RH,+,M3,L6,ZPC(BLK),SWRCH	
CN10A	AA39-20177A	36434-0166-030	LEAD-CONNECTOR,ASSY	-,YBNH025-05,67096-005,5P	
PAR01	AA59-60003G		MODULE-REMOCON	-,0RC-06HF2,38KHZ,940NM,M	
WIN/RE	AA64-40060A	34073-0107-000	WINDOW-REMOCON	-,ABS,HB,-,-,LG41338,6202	
			ASSY-PCB,A/V		
	*AA95-40004M	*3D39-00001-410	ASSY-PCB,A/V	-,CS5377/MVTX,SCT12A,-,-,	
CA02	2202-000121	A1100-0798	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
CA03	2202-000121	A1100-0798	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
CA04	2202-000720	A1100-0807	C-CERAMIC,MLC-AXIAL	8.2NF,20%,16V,Y5R,3.5X19,	
CA05	2202-000720	A1100-0807	C-CERAMIC,MLC-AXIAL	8.2NF,20%,16V,Y5R,3.5X19,	
CA06	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CA07	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CN01A	AA39-20068E	36434-0008-050	LEAD-CONNECTOR,ASSY	-,YBNH025-08,67096-008,8P	
CN05A	AA39-20069A	36434-0009-000	LEAD-CONNECTOR,ASSY	-,YBNH025-05,67096-005,5P	
CN06A	AA39-20499B		LEAD CONNECTOR-ASSY	-,YBNH025-04,SMP025-04,4P	
JE01	3722-000143	33339-521-070	JACK-PHONE	1P,3.4MM,MBAG,BLACK,-	
JR01	3722-001031		JACK-RCA	3P,3.6MM,#18,AU	
LA02	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LA03	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LA04	2701-000180	A1132-0089	INDUCTOR-AXIAL	33UH,5%,2.5X3.4MM	
LA05	2701-000180	A1132-0089	INDUCTOR-AXIAL	33UH,5%,2.5X3.4MM	
RA01	2001-000028	31018-377-101	R-CARBON(S)	1000HM,5%,1/2W,AA,TP,2.4X	
RA02	2001-000028	31018-377-101	R-CARBON(S)	1000HM,5%,1/2W,AA,TP,2.4X	
			ASSY-MODULE,AUDIO		
	*AA95-40007L		ASSY-MODULE,AUDIO	-,-,SCT12A/B,CK,A2,-	

Loc No	New Code No	Old Code No	Description	Specification	Remark
CJ01	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CJ03	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CJ04	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CJ05	2203-000192	31418-367-824	C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ06	2203-000561	A1100-1007	C-CERAMIC,CHIP	220NF,+80-20%,25V,Y5V,201	
CJ07	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ08	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CJ10	2203-000889	31418-267-472	C-CERAMIC,CHIP	4.7NF,10%,50V,X7R,2012,2.	
CJ101	2401-000471	31607-974-003	C-AL	10UF,20%,50V,BP,6X11MM,5M	
CJ102	2401-001264	31607-803-730	C-AL	4.7UF,20%,50V,BP,6X11MM,5	
CJ103	2401-000471	31607-974-003	C-AL	10UF,20%,50V,BP,6X11MM,5M	
CJ107	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CJ108	2203-000492	31418-267-222	C-CERAMIC,CHIP	2.2NF,10%,50V,X7R,2012,2.	
CJ111	2203-000727	A1100-0072	C-CERAMIC,CHIP	3.9NF,10%,50V,X7R,2012,-,	
CJ112	2203-000727	A1100-0072	C-CERAMIC,CHIP	3.9NF,10%,50V,X7R,2012,-,	
CJ12	2401-000947	31607-402-070	C-AL	22UF,20%,35V,GP,5X11MM,-,	
CJ13	2401-000947	31607-402-070	C-AL	22UF,20%,35V,GP,5X11MM,-,	
CJ14	2203-000192	31418-367-824	C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ16	2401-000660	31607-402-220	C-AL	2.2UF,20%,50V,GP,5X11.5,T	
CJ17	2401-000660	31607-402-220	C-AL	2.2UF,20%,50V,GP,5X11.5,T	
CJ18	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CJ19	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CJ21	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ22	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CJ23	2203-000192	31418-367-824	C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ24	2203-000727	A1100-0072	C-CERAMIC,CHIP	3.9NF,10%,50V,X7R,2012,-,	
CJ25	2203-000889	31418-267-472	C-CERAMIC,CHIP	4.7NF,10%,50V,X7R,2012,2.	
CJ26	2401-000808	31607-401-480	C-AL	220UF,20%,16V,GP,8X11MM,5	
CJ28	2401-001264	31607-803-730	C-AL	4.7UF,20%,50V,BP,6X11MM,5	
CJ29	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CJ30	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CJ31	2203-000192	31418-367-824	C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ32	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CJ33	2203-000701	A1100-0104	C-CERAMIC,CHIP	2PF,0.25PF,50V,NP0,2012,-	
CJ35	2401-000471	31607-974-003	C-AL	10UF,20%,50V,BP,6X11MM,5M	
CJ36	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CJ37	2401-000471	31607-974-003	C-AL	10UF,20%,50V,BP,6X11MM,5M	
CJ38	2203-000192	31418-367-824	C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ39	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CJ40	2203-000802	A1100-0131	C-CERAMIC,CHIP	33NF,10%,50V,X7R,2012,-,T	
CJ41	2203-001035	A1100-0075	C-CERAMIC,CHIP	5.6NF,10%,50V,X7R,2012,-,	
CJ42	2203-001035	A1100-0075	C-CERAMIC,CHIP	5.6NF,10%,50V,X7R,2012,-,	
CJ43	2203-000802	A1100-0131	C-CERAMIC,CHIP	33NF,10%,50V,X7R,2012,-,T	
CJ44	2203-000373	31418-267-153	C-CERAMIC,CHIP	15NF,10%,50V,X7R,2012,2.0	
CJ45	2203-000373	31418-267-153	C-CERAMIC,CHIP	15NF,10%,50V,X7R,2012,2.0	
CJ46	2203-001424	A1100-1008	C-CERAMIC,CHIP	470NF,+80-20%,25V,Y5V,321	
CJ47	2203-001424	A1100-1008	C-CERAMIC,CHIP	470NF,+80-20%,25V,Y5V,321	
CJ48	2203-001424	A1100-1008	C-CERAMIC,CHIP	470NF,+80-20%,25V,Y5V,321	
CJ49	2203-001424	A1100-1008	C-CERAMIC,CHIP	470NF,+80-20%,25V,Y5V,321	
CJ50	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ51	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ52	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ53	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ54	2401-000444	A1104-0246	C-AL	10UF,20%,25V,GP,5X5MM,5MM	
CJ55	2401-000444	A1104-0246	C-AL	10UF,20%,25V,GP,5X5MM,5MM	
CJ95	2401-000480	31607-402-250	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ96	2203-000192	31418-367-824	C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CL01	2203-000258	31418-267-103	C-CERAMIC,CHIP	10NF,10%,50V,X7R,2012,2.0	
CL02	2401-000269	31607-401-470	C-AL	100UF,20%,16V,GP,6X11MM,5	
CN603	3711-002709	33124-210-012	CONNECTOR-HEADER	NOWALL,12P,1R,2.5MM,ANGLE	
CN604	3711-002709	33124-210-012	CONNECTOR-HEADER	NOWALL,12P,1R,2.5MM,ANGLE	
DJ01	0401-000160	B4100-0044	DIODE-SWITCHING	1SS314,30V,100MA,150MW,-,	

Loc No	New Code No	Old Code No	Description	Specification	Remark
DJ04	0401-000160	B4100-0044	DIODE-SWITCHING	1SS314,30V,100MA,150MW,-,	
DJ05	0401-000160	B4100-0044	DIODE-SWITCHING	1SS314,30V,100MA,150MW,-,	
DJ06	0401-000160	B4100-0044	DIODE-SWITCHING	1SS314,30V,100MA,150MW,-,	
DJ07	0401-000160	B4100-0044	DIODE-SWITCHING	1SS314,30V,100MA,150MW,-,	
DJ08	0401-000160	B4100-0044	DIODE-SWITCHING	1SS314,30V,100MA,150MW,-,	
DJ09	0401-000160	B4100-0044	DIODE-SWITCHING	1SS314,30V,100MA,150MW,-,	
DL01	0401-000160	B4100-0044	DIODE-SWITCHING	1SS314,30V,100MA,150MW,-,	
ICJ01	1204-000559	B4012-0578	IC-DEMODULATOR	TDA9813T/V3,SOP,28P,-,PLA	
ICJ02	1204-000515	B4012-0149	IC-SOUND PROCESSOR	TDA9840/V2,DIP,20P,324MIL	
ICJ03	1204-000473	B4012-0391	IC-AUDIO PROCESSOR	TDA9859,DIP,32P,-,PLASTIC	
LJ01	2701-000300	32427-805-890	INDUCTOR-AXIAL	1.3UH,10%,2.5X3.4MM	
LJ02	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ03	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ04	2702-000131	32427-904-770	INDUCTOR-RADIAL	2.2MH,5%,6.2X7.4MM	
LJ05	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ06	2701-000114	32427-904-924	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
QJ01	0501-000525	32157-210-006	TR-SMALL SIGNAL	BF799,NPN,280MW,SOT-323,T	
QJ02	0501-000727	A4050-0218	TR-SMALL SIGNAL	BC848C,NPN,310MW,SOT-23,T	
QJ04	0501-000727	A4050-0218	TR-SMALL SIGNAL	BC848C,NPN,310MW,SOT-23,T	
QJ05	0501-000727	A4050-0218	TR-SMALL SIGNAL	BC848C,NPN,310MW,SOT-23,T	
QJ06	0501-000727	A4050-0218	TR-SMALL SIGNAL	BC848C,NPN,310MW,SOT-23,T	
QJ07	0501-000727	A4050-0218	TR-SMALL SIGNAL	BC848C,NPN,310MW,SOT-23,T	
QL03	0501-000727	A4050-0218	TR-SMALL SIGNAL	BC848C,NPN,310MW,SOT-23,T	
QL04	0501-000727	A4050-0218	TR-SMALL SIGNAL	BC848C,NPN,310MW,SOT-23,T	
RJ01	2007-000947	31099-077-470	R-CHIP	470HM,5%,1/10W,DA,TP,2012	
RJ02	2007-000300	31099-077-103	R-CHIP	10K0HM,5%,1/10W,DA,TP,201	
RJ03	2007-000981	31099-077-562	R-CHIP	5,6K0HM,5%,1/10W,DA,TP,20	
RJ04	2007-000468	31099-077-102	R-CHIP	1K0HM,5%,1/10W,DA,TP,2012	
RJ06	2007-000941	31099-077-473	R-CHIP	47K0HM,5%,1/10W,DA,TP,201	
RJ07	2007-000300	31099-077-103	R-CHIP	10K0HM,5%,1/10W,DA,TP,201	
RJ08	2007-001071	31099-077-682	R-CHIP	6,8K0HM,5%,1/10W,DA,TP,20	
RJ09	2001-000028	31018-377-101	R-CARBON(S)	1000HM,5%,1/2W,AA,TP,2,4X	
RJ10	2007-000981	31099-077-562	R-CHIP	5,6K0HM,5%,1/10W,DA,TP,20	
RJ101	2007-000572	31099-077-221	R-CHIP	2200HM,5%,1/10W,DA,TP,201	
RJ102	2007-001166	31099-077-750	R-CHIP	750HM,5%,1/10W,DA,TP,2012	
RJ105	2007-000686	31099-077-332	R-CHIP	3,3K0HM,5%,1/10W,DA,TP,20	
RJ106	2007-000029	31099-077-000	R-CHIP	00HM,5%,1/10W,DA,TP,2012	
RJ107	2007-000686	31099-077-332	R-CHIP	3,3K0HM,5%,1/10W,DA,TP,20	
RJ11	2007-000401	31099-077-151	R-CHIP	1500HM,5%,1/10W,DA,TP,201	
RJ12	2007-000586	31099-077-223	R-CHIP	22K0HM,5%,1/10W,DA,TP,201	
RJ17	2007-000766	31099-077-331	R-CHIP	3300HM,5%,1/10W,DA,TP,201	
RJ18	2007-000766	31099-077-331	R-CHIP	3300HM,5%,1/10W,DA,TP,201	
RJ20	2007-000941	31099-077-473	R-CHIP	47K0HM,5%,1/10W,DA,TP,201	
RJ23	2007-000586	31099-077-223	R-CHIP	22K0HM,5%,1/10W,DA,TP,201	
RJ24	2007-000586	31099-077-223	R-CHIP	22K0HM,5%,1/10W,DA,TP,201	
RJ25	2007-000030	31099-077-561	R-CHIP	5600HM,5%,1/10W,DA,TP,201	
RJ26	2007-000030	31099-077-561	R-CHIP	5600HM,5%,1/10W,DA,TP,201	
RJ27	2007-000586	31099-077-223	R-CHIP	22K0HM,5%,1/10W,DA,TP,201	
RJ28	2007-000586	31099-077-223	R-CHIP	22K0HM,5%,1/10W,DA,TP,201	
RJ29	2007-000586	31099-077-223	R-CHIP	22K0HM,5%,1/10W,DA,TP,201	
RJ30	2007-000586	31099-077-223	R-CHIP	22K0HM,5%,1/10W,DA,TP,201	
RJ31	2007-000981	31099-077-562	R-CHIP	5,6K0HM,5%,1/10W,DA,TP,20	
RJ32	2007-000774	31099-077-333	R-CHIP	33K0HM,5%,1/10W,DA,TP,201	
RJ33	2007-000981	31099-077-562	R-CHIP	5,6K0HM,5%,1/10W,DA,TP,20	
RJ34	2007-000774	31099-077-333	R-CHIP	33K0HM,5%,1/10W,DA,TP,201	
RJ35	2007-000981	31099-077-562	R-CHIP	5,6K0HM,5%,1/10W,DA,TP,20	
RJ36	2007-000774	31099-077-333	R-CHIP	33K0HM,5%,1/10W,DA,TP,201	
RJ37	2007-000981	31099-077-562	R-CHIP	5,6K0HM,5%,1/10W,DA,TP,20	
RJ38	2007-000774	31099-077-333	R-CHIP	33K0HM,5%,1/10W,DA,TP,201	
RJ39	2007-000586	31099-077-223	R-CHIP	22K0HM,5%,1/10W,DA,TP,201	
RJ40	2007-000586	31099-077-223	R-CHIP	22K0HM,5%,1/10W,DA,TP,201	
RJ41	2007-000290	A1020-0023	R-CHIP	1000HM,5%,1/10W,DA,TP,201	

Loc No	New Code No	Old Code No	Description	Specification	Remark
RJ42	2007-000686	31099-077-332	R-CHIP	3.3KOHM,5%,1/10W,DA,TP,20	
RJ43	2007-000290	A1020-0023	R-CHIP	1000HM,5%,1/10W,DA,TP,201	
RJ44	2007-000300	31099-077-103	R-CHIP	10KOHM,5%,1/10W,DA,TP,201	
RJ45	2007-000290	A1020-0023	R-CHIP	1000HM,5%,1/10W,DA,TP,201	
RJ46	2007-000290	A1020-0023	R-CHIP	1000HM,5%,1/10W,DA,TP,201	
RJ47	2007-000300	31099-077-103	R-CHIP	10KOHM,5%,1/10W,DA,TP,201	
RJ48	2007-000300	31099-077-103	R-CHIP	10KOHM,5%,1/10W,DA,TP,201	
RJ49	2007-000300	31099-077-103	R-CHIP	10KOHM,5%,1/10W,DA,TP,201	
RL06	2007-000941	31099-077-473	R-CHIP	47KOHM,5%,1/10W,DA,TP,201	
RL07	2007-001071	31099-077-682	R-CHIP	6.8KOHM,5%,1/10W,DA,TP,20	
RL08	2007-001071	31099-077-682	R-CHIP	6.8KOHM,5%,1/10W,DA,TP,20	
RL09	2007-000774	31099-077-333	R-CHIP	33KOHM,5%,1/10W,DA,TP,201	
RN01	2007-000029	31099-077-000	R-CHIP	00HM,5%,1/10W,DA,TP,2012	
TJ01	AA26-10004E	A1190-0014	TRANS-IF	-,7MG,VIF,-,7MM,-,116.7MH	
XJ01	2801-000125	34537-001-000	CRYSTAL-UNIT	10MHZ,20PPM,28-AAM,32PF,3	
ZJ01	2904-000259	34529-700-005	FILTER-SAW AV	38.9MHZ,SIP5P,ST	
ZJ03	2903-000189	34527-460-017	FILTER-CERAMIC	BP,5.74MHZ	
ZJ04	2903-000189	34527-460-017	FILTER-CERAMIC	BP,5.74MHZ	
ZJ05	2903-000307	B1243-0085	FILTER-CERAMIC	BP,6.25MHZ	
ZJ06	2903-000307	B1243-0085	FILTER-CERAMIC	BP,6.25MHZ	
ZJ09	2903-000184	34527-460-030	FILTER-CERAMIC	BP,5.5MHZ	
ZJ13	2903-000202	34527-460-010	FILTER-CERAMIC	BP,6.5MHZ	
ZL01	2904-001010		FILTER-SAW AV	32.9~33.4MHZ,SIP5P,ST	

ASSY-PCB,TTX MODULE

	*AA95-90011A		ASSY-PCB,TTX MODULE	-,CK7202,SCT12B,EUROPE,SA	
CNT01	3711-002642	33347-108-310	CONNECTOR-HEADER	BOX,3P,1R,2.5MM,STRAIGHT,	
CNT01	AA39-20016C	33058-004-016	LEAD-CONNECTOR,ASSY	-,67096-003,S,3P,400,1007	
CNT02	AA39-20052A	33058-313-012	LEAD-CONNECTOR,ASSY	-,YBNH025-04,YSH025-04,4P	
CNT03	AA39-20070E	36434-0010-050	LEAD-CONNECTOR,ASSY	-,YBNH025-07,67096-007,7P	
CT03	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT04	2401-000620	31607-402-580	C-AL	2.2UF,10%,50V,GP,5X11MM,5	
CT08	2201-000961	31407-043-100B	C-CERAMIC,DISC	10PF,0.5PF,50V,RH,5X3MM,5	
CT09	2201-000251	31407-101-160	C-CERAMIC,DISC	15PF,5%,50V,SL,4X3.5,5,TP	
CT10	2201-000292	31417-104-400	C-CERAMIC,DISC	1NF,10%,50V,Y5P,5X4,5MM,T	
CT11	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT12	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT13	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT14	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT17	2401-000405	31607-803-120	C-AL	10UF,20%,16V,BP,6X11MM,5M	
CT19	2401-000405	31607-803-120	C-AL	10UF,20%,16V,BP,6X11MM,5M	
CT20	2401-000405	31607-803-120	C-AL	10UF,20%,16V,BP,6X11MM,5M	
CT21	2401-000405	31607-803-120	C-AL	10UF,20%,16V,BP,6X11MM,5M	
CT22	2306-000122	B1102-0318	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CT23	2401-000240	31607-401-840	C-AL	100UF,20%,10V,GP,6X11MM,5	
DT01	0401-000005	32167-406-480	DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
ICT01	1204-000536	B4012-0518	IC-PAL DECODER	SAA5281P/H,DIP,48P,-,PLAS	
ICT02	AA13-30002S	B4002-0312	IC-MCU	-,PCF84C81AP/145,8BIT,DIP	
ICT04	1103-000189	B4000-0049	IC-EEPROM	24C02,256X8BIT,DIP,8P,300	
ICT06	1203-000585	A4012-0283	IC-RESET	7442,TO-92,3P,-,PLASTIC,-	
LT01	2701-000170	32427-805-835	INDUCTOR-AXIAL	3.9UH,10%,2.8X7MM	
QT01	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
QT02	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
QT03	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
QT04	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
QT05	0501-000389	32137-301-720	TR-SMALL SIGNAL	KSC815-Y,NPN,60V,45V,200M	
QT06	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	
QT07	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	
QT08	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	
QT09	0501-000283	32137-401-530	TR-SMALL SIGNAL	KSA539-Y,PNP,-60V,-45V,-2	

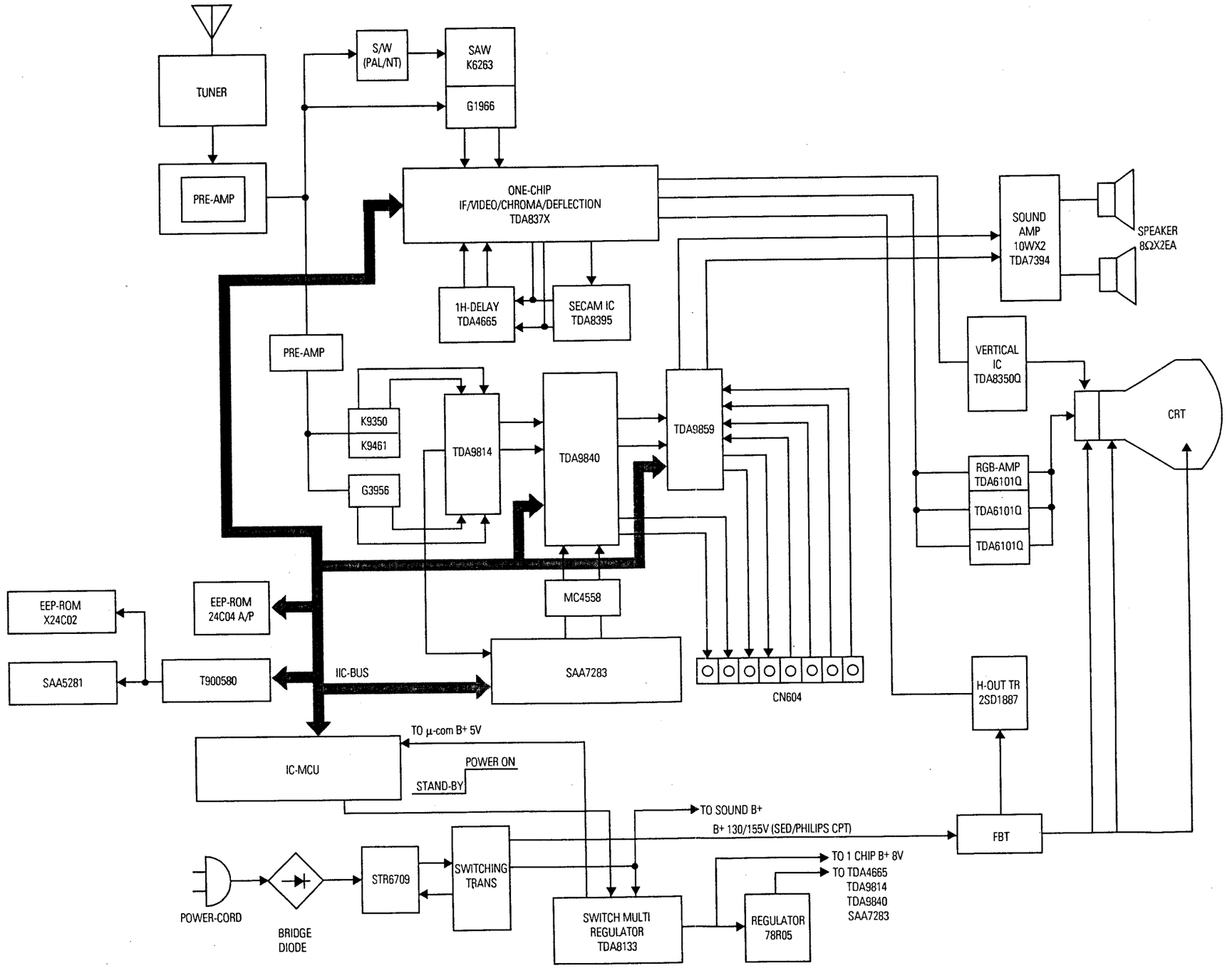
Loc No	New Code No	Old Code No	Description	Specification	Remark
RT02	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT03	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
RT04	2001-000302	31018-177-100	R-CARBON	100HM,5%,1/8W,AA,TP,1.8X3	
RT05	2001-000563	31018-177-273	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
RT06	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
RT07	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT08	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT09	2001-000005	31018-177-391	R-CARBON	3900HM,5%,1/8W,AA,TP,1.8X	
RT10	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT11	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
RT12	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
RT13	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT14	2001-000005	31018-177-391	R-CARBON	3900HM,5%,1/8W,AA,TP,1.8X	
RT15	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
RT16	2001-000281	31018-177-101	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
RT17	2001-000005	31018-177-391	R-CARBON	3900HM,5%,1/8W,AA,TP,1.8X	
RT18	2001-000628	31018-177-301	R-CARBON	3000HM,5%,1/8W,AA,TP,1.8X	
RT20	2001-000723	31018-177-432	R-CARBON	4.3KOHM,5%,1/8W,AA,TP,1.8	
RT21	2001-000780	31018-177-471	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
RT24	2001-000780	31018-177-471	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
RT25	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT26	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT27	2001-000780	31018-177-471	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
RT28	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT35	2001-000273	31018-177-104	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
RT39	2001-000591	31018-177-332	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8	
RT40	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT41	2001-000539	31018-177-243	R-CARBON	24KOHM,5%,1/8W,AA,TP,1.8X	
RT42	2001-000411	31018-177-183	R-CARBON	18KOHM,5%,1/8W,AA,TP,1.8X	
RT43	2001-000780	31018-177-471	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
RT44	2001-000362	31018-177-151	R-CARBON	1500HM,5%,1/8W,AA,TP,1.8X	
RT45	2001-000362	31018-177-151	R-CARBON	1500HM,5%,1/8W,AA,TP,1.8X	
RT46	2001-000780	31018-177-471	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
RT47	2004-001229	31018-177-751	R-METAL	7500HM,5%,1/8W,AA,TP,1.8X	
RT48	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT49	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT50	2001-000290	31018-177-103	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT51	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT52	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT53	2001-000429	31018-177-102	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT54	2004-001240	31018-177-750	R-METAL	750HM,5%,1/8W,AA,TP,1.8X3	
RT55	2004-001240	31018-177-750	R-METAL	750HM,5%,1/8W,AA,TP,1.8X3	
RT56	2004-001240	31018-177-750	R-METAL	750HM,5%,1/8W,AA,TP,1.8X3	
SCREW	6002-000406	37148-530-101	SCREW-TAPPING	RH,+,2,M3,L10,ZPC(YEL),SW	
XT01	2801-001118	34537-001-008	CRYSTAL-UNIT	9.8304MHZ,50PPM,28-AAM,30	
XT02	2801-000214	34537-001-018	CRYSTAL-UNIT	27MHZ,40PPM,28-AAM,S,400H	
			ASSY-POWER,CORD		
SW-PUSH	3403-000179	A3002-0014	SWITCH-PUSH	250V,5A,DPST,-	
PWRCORD	AA39-10005A		POWER-CORD	-,KKP419C,KLCE-2F,2,286MT	
LEAD/C	AA39-20062B	33059-101-131	LEAD-CONNECTOR,ASSY	-,YFH800-02,-,2P,200,1617	
			REMOCON		
	*AA59-10027Q	*3F14-00048-180	REMOCON	-,TM48,SZM157ETX/MVTX,43,	
			ASSY-HOLDER,SPK		
	*AA91-60003A	*3H93-52199-010	ASSY-HOLDER,SPK	-,PP,-,-,80HM 10W,CT2199	

Loc No	New Code No	Old Code No	Description	Specification	Remark
			ASSY-CABINET		
	*AA91-10147F		ASSY-CABINET,FRONT	-,HB,-,S1000 MLB,6202	
	*AA91-10151J		ASSY-CABINET,FRONT	-,HB,-,S1000 MLB,7202	CK7202WB
	*AA91-10147D		ASSY-CABINET,FRONT	-,HB,-,S1000 MLN,6202	CK6202N
KNOCON	6002-000514	37148-540-153	SCREW-TAPPING	RH,+,2,M4,L15,ZPC(BLK),SW	
PC+CF	6002-000514	37148-540-153	SCREW-TAPPING	RH,+,2,M4,L15,ZPC(BLK),SW	
SPK+CF	6002-000514	37148-540-153	SCREW-TAPPING	RH,+,2,M4,L15,ZPC(BLK),SW	
CB+21	6002-000516	30509-0004-000	SCREW-TAPPING	RH,+,2,M4,L20,ZPC(BLK),SW	
CB+CF	6002-000516	30509-0004-000	SCREW-TAPPING	RH,+,2,M4,L20,ZPC(BLK),SW	
PA+CF	AA60-10002A	37144-001-210	SCREW-TAPPING	RH,+,M4,L12,ZPC(YEL),-,OD	
CRT+CF	AA60-10050C		SCREW-ASSY	WC,HH,+,M5,L30,SWRCH8,-,Z	
CRT+CF	AA60-10050D		SCREW-ASSY	WC,HH,+,M5,L35,SWRCH18,-,	CK7202WB
LATCH	AA61-30001A	36698-100-110	LATCH-DOOR	-,-,-,KIFUCO LA701,-	
SPRING	AA61-60005K	36673-103-070	SPRING-CS	-,-,SUS304,0.6,OD12.2,H13	
GRILLE	AA63-50064A	34002-0100-000	GRILLE-SHEET	-,PS,-,T0.4,-,S1300,6202	
GRILLE	AA63-50106A		GRILLE-SHEET	-,PS,-,T0.4,-,S1300,7202	CK7202WB
CABBAC	AA63-60001Q	36844-112-360	SPACER-FELT	-,FELT,T0.35,-,150X8,-	
SPACER	AA63-60004K	37333-101-410	SPACER-GUM,CRT	-,NTR RUBBER,T2,BLK,NEW,-	
SPACER	AA63-60004P		SPACER-GUM,CRT	-,NTR RUBBER,T2,GRY,-,-	CK7202WB
KNOCONT	AA64-10058A	34082-0238-000	KNOB-CONTROL	-,ABS,HB,BLK,-,62,7202	
KNOPOW	AA64-10166A	34083-0239-000	KNOB-POWER,M	-,ABS,HB,BLK,-,62,7202	
FRONT	AA64-30575F		CABINET-FRONT	-,6202,S1000 MLB,HIPS,HB,	
FRONT	AA64-30573G		CABINET-FRONT	-,7202,S1000 MLB,HIPS,HB,	CK7202WB
FRONT	AA64-30575D		CABINET-FRONT	-,6202,S1000 MLN,HIPS,HB,	CK6202N
BACK	AA64-30641C		CABINET-BACK	-,6202,NON-PBDE,HIPS,V0,B	
BACK	AA64-30639C		CABINET-BACK	-,7202,NON-PBDE,HIPS,V0,B	CK7202WB
IND/LED	AA64-40238A	34164-0061-000	INDICATOR-LED	-,ACRYL,-,-,-,-,62,7202	
DOOR/C	AA64-50111A	34042-0079-000	DOOR-CONTROL	-,HIPS,HB,-,-,BLK,S1000,6	
IN-BACK	AA64-60052C		INLAY-BACK	-,PS,T0.5,-,BLK,PV2 21PIN	
IN-CONT	AA64-60274D		INLAY-CONTROL	-,PS,T0.3,-,BLK,MW,6202	
IN-CONT	AA64-60238D		INLAY-CONTROL	-,PS,T0.3,-,-,PV2 MW,7202	CK7202WB
BADGE	AA64-70011B	34533-0075-010	BADGE-BRAND	-,AL,-,L60,SILVER,R2000 S	
CLAMP	AA65-30008A	36633-101-610	CLAMP-CORD	-,PE,HB,BLK,-,-	
CLAMP	AA65-30010A	36634-111-010	CLAMP-WIRE	-,NYLON-66,V0,NTR,-,-	
CLAMP	AA65-30017A	36635-002-010	CLAMP-D,COIL	-,NYLON-66,V0,NTR,DADH300	
			ASSY-SOUND (CX6202WB Only)		
	*AA95-40008F		ASSY-SOUND	-,CX7202,SCT12B,A2,STEREO	CX6202WB
			ASSY-SOUND (CK6202N Only)		
	*AA95-40007X		ASSY-SOUND	-,CK7202,SCT12A/B,A2,NICA	CK6202N
DJ21	0401-000005		DIODE-SWITCHING	1N4148,100V,200MA,500MW,4	
DJ20	0405-000108		DIODE-VARACTOR	BB405B,28V,10NA,DO-34,TP	
ICJ05	1201-000191		IC-OP AMP	4558,DIP,8P,300MIL,DUAL,2	
ICJ04	1204-000449		IC-DECODER	SAA7283ZP,DIP,52P,600MIL,	
RJ54	2001-000016		R-CARBON(S)	10HM,5%,1/2W,AA,TP,2.4X6,	
RJ58	2001-001096		R-CARBON(S)	2.20HM,5%,1/2W,AA,TP,2.4X	
RJ53	2007-000267		R-CHIP	1.8KOHM,5%,1/10W,DA,TP,20	
RJ65	2007-000282		R-CHIP	100KOHM,5%,1/10W,DA,TP,20	
RJ69	2007-000282		R-CHIP	100KOHM,5%,1/10W,DA,TP,20	
RJ95	2007-000282		R-CHIP	100KOHM,5%,1/10W,DA,TP,20	
RJ96	2007-000282		R-CHIP	100KOHM,5%,1/10W,DA,TP,20	
RJ56	2007-000290		R-CHIP	1000HM,5%,1/10W,DA,TP,201	
RJ63	2007-000290		R-CHIP	1000HM,5%,1/10W,DA,TP,201	
RJ64	2007-000290		R-CHIP	1000HM,5%,1/10W,DA,TP,201	
RJ57	2007-000300		R-CHIP	10KOHM,5%,1/10W,DA,TP,201	
RJ50	2007-000308		R-CHIP	100HM,5%,1/10W,DA,TP,2012	

Loc No	New Code No	Old Code No	Description	Specification	Remark
RJ67	2007-000409		R-CHIP	15KOHM,5%,1/10W,DA,TP,201	
RJ68	2007-000409		R-CHIP	15KOHM,5%,1/10W,DA,TP,201	
RJ71	2007-000409		R-CHIP	15KOHM,5%,1/10W,DA,TP,201	
RJ72	2007-000409		R-CHIP	15KOHM,5%,1/10W,DA,TP,201	
RJ55	2007-000468		R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	
RJ60	2007-000477		R-CHIP	1MOHM,5%,1/10W,DA,TP,2012	
RJ59	2007-000586		R-CHIP	22KOHM,5%,1/10W,DA,TP,201	
RJ61	2007-000593		R-CHIP	220HM,5%,1/10W,DA,TP,2012	
RJ104	2007-000653		R-CHIP	27KOHM,5%,1/10W,DA,TP,201	
RJ52	2007-000774		R-CHIP	33KOHM,5%,1/10W,DA,TP,201	
RJ66	2007-000981		R-CHIP	5.6KOHM,5%,1/10W,DA,TP,20	
RJ70	2007-000981		R-CHIP	5.6KOHM,5%,1/10W,DA,TP,20	
RJ62	2007-001113		R-CHIP	680KOHM,5%,1/10W,DA,TP,20	
CJ60	2203-000192		C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ61	2203-000192		C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ65	2203-000192		C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ71	2203-000192		C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ74	2203-000192		C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ79	2203-000192		C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ80	2203-000192		C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ82	2203-000192		C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ88	2203-000192		C-CERAMIC,CHIP	100NF,+80-20%,50V,Y5V,201	
CJ85	2203-000237		C-CERAMIC,CHIP	100PF,5%,50V,NP0,2012,2.0	
CJ86	2203-000237		C-CERAMIC,CHIP	100PF,5%,50V,NP0,2012,2.0	
CJ73	2203-000295		C-CERAMIC,CHIP	10PF,5%,50V,NP0,2012,-,TP	
CJ77	2203-000593		C-CERAMIC,CHIP	220PF,5%,50V,NP0,2012,2.0	
CJ97	2203-000607		C-CERAMIC,CHIP	22NF,10%,50V,X7R,2012,2.0	
CJ84	2203-000753		C-CERAMIC,CHIP	330NF,+80-20%,50V,Y5V,321	
CJ98	2203-000835		C-CERAMIC,CHIP	390PF,10%,50V,NP0,2012,2.	
CJ104	2203-000937		C-CERAMIC,CHIP	470PF,10%,50V,NP0,2012,2.	
CJ105	2203-000937		C-CERAMIC,CHIP	470PF,10%,50V,NP0,2012,2.	
CJ69	2203-000980		C-CERAMIC,CHIP	47NF,10%,50V,X7R,3216,3.0	
CJ87	2305-000412		C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
CJ70	2401-000480		C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ75	2401-000480		C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ76	2401-000480		C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ78	2401-000480		C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ83	2401-000480		C-AL	10UF,20%,50V,GP,5X11MM,5M	
CJ81	2401-000603		C-AL	1UF,20%,50V,GP,5X11MM,5MM	
CJ63	2401-001264		C-AL	4.7UF,20%,50V,BP,6X11MM,5	
CJ68	2401-001264		C-AL	4.7UF,20%,50V,BP,6X11MM,5	
CJ109	2401-001271		C-AL	4.7UF,20%,50V,GP,5X11MM,5	
CJ110	2401-001271		C-AL	4.7UF,20%,50V,GP,5X11MM,5	
CJ90	2401-001271		C-AL	4.7UF,20%,50V,GP,5X11MM,5	
CJ91	2401-001271		C-AL	4.7UF,20%,50V,GP,5X11MM,5	
CJ62	2401-001495		C-AL	47UF,20%,16V,GP,5X11MM,5M	
CJ64	2401-001495		C-AL	47UF,20%,16V,GP,5X11MM,5M	
CJ66	2401-001495		C-AL	47UF,20%,16V,GP,5X11MM,5M	
CJ67	2401-001495		C-AL	47UF,20%,16V,GP,5X11MM,5M	
CJ72	2401-001495		C-AL	47UF,20%,16V,GP,5X11MM,5M	
LJ07	2701-000114		INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LJ10	2701-000208		INDUCTOR-AXIAL	6.8UH,10%,2.5X3.4MM	
XJ02	2801-000992		CRYSTAL-UNIT	8.192MHZ,30PPM,28-AAM,15P	

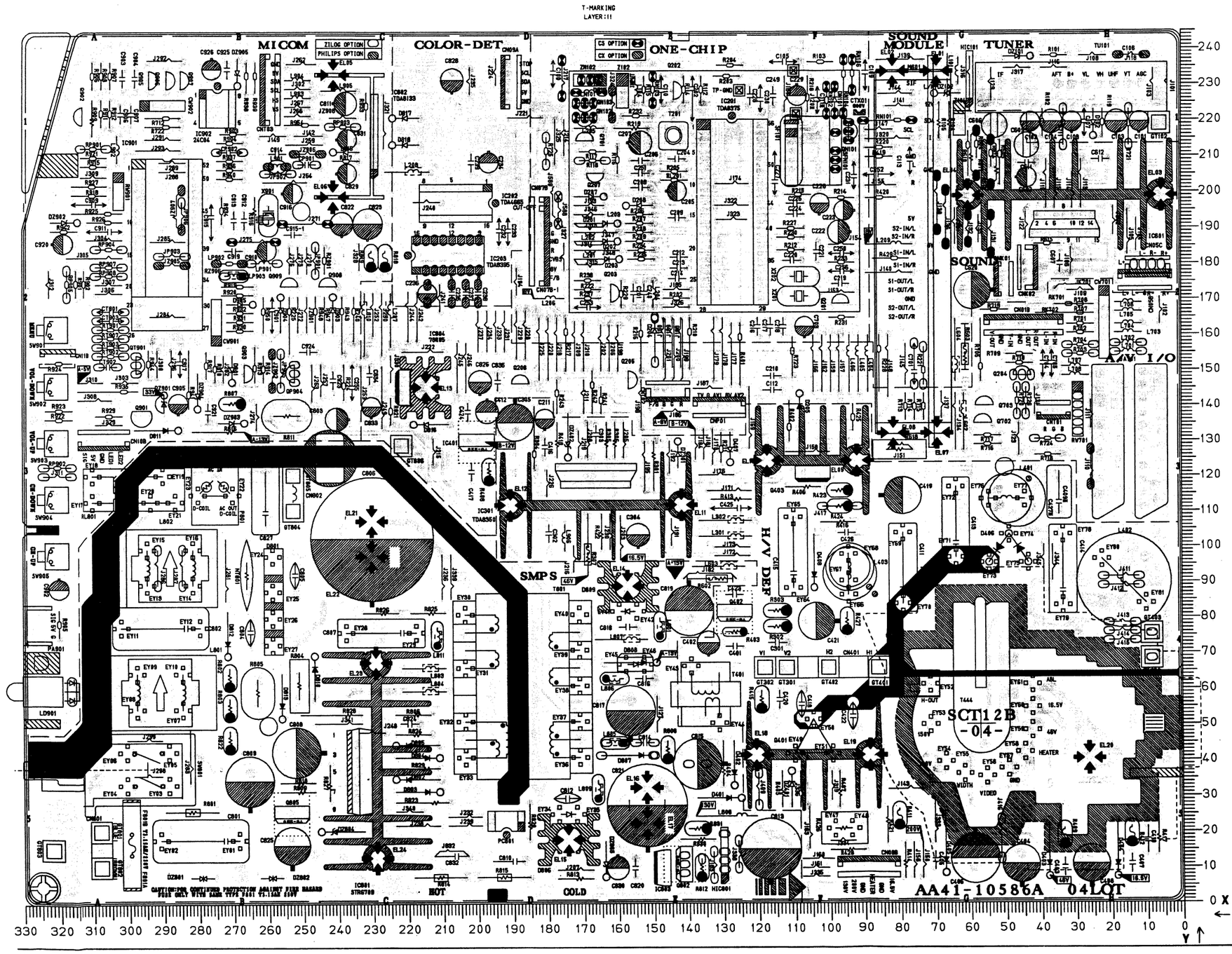
Memo

8. System Block Diagram

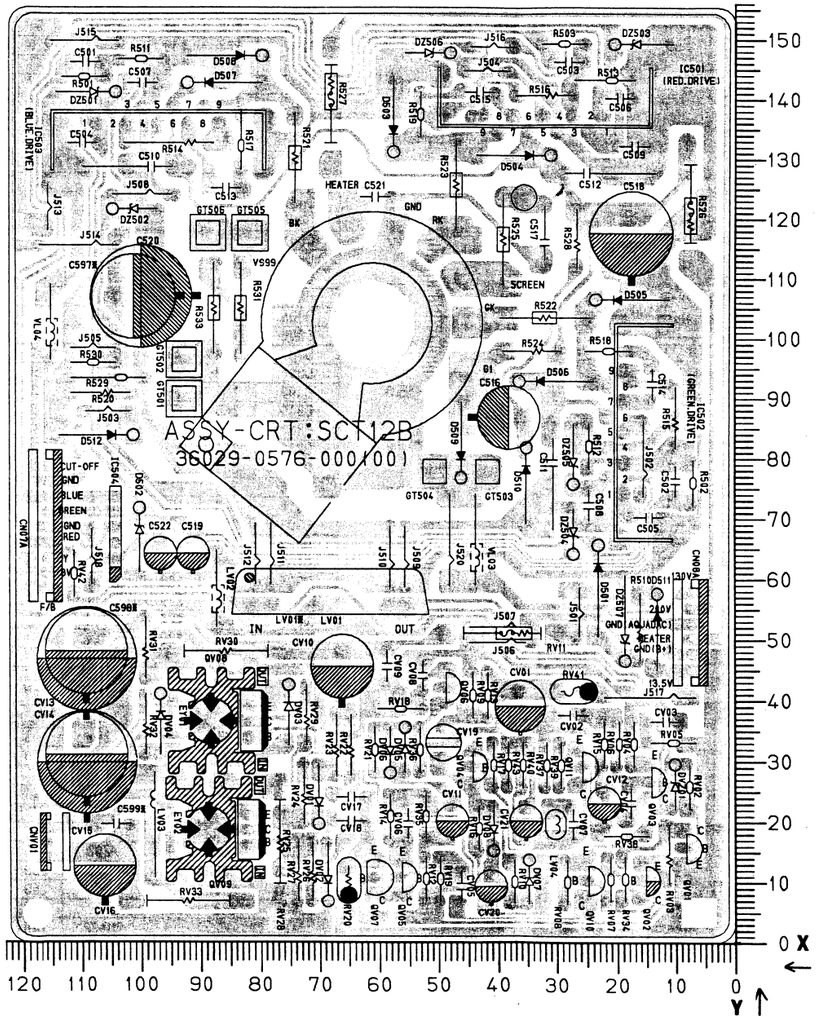


9. PCB Layout Diagram

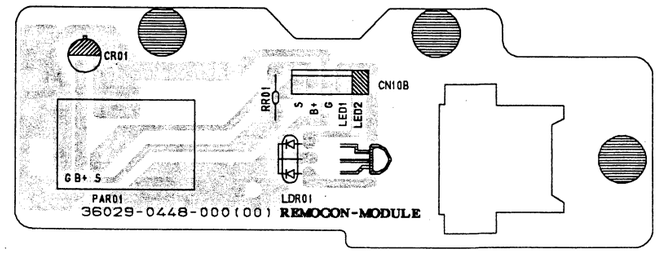
9-1 PCB-MAIN



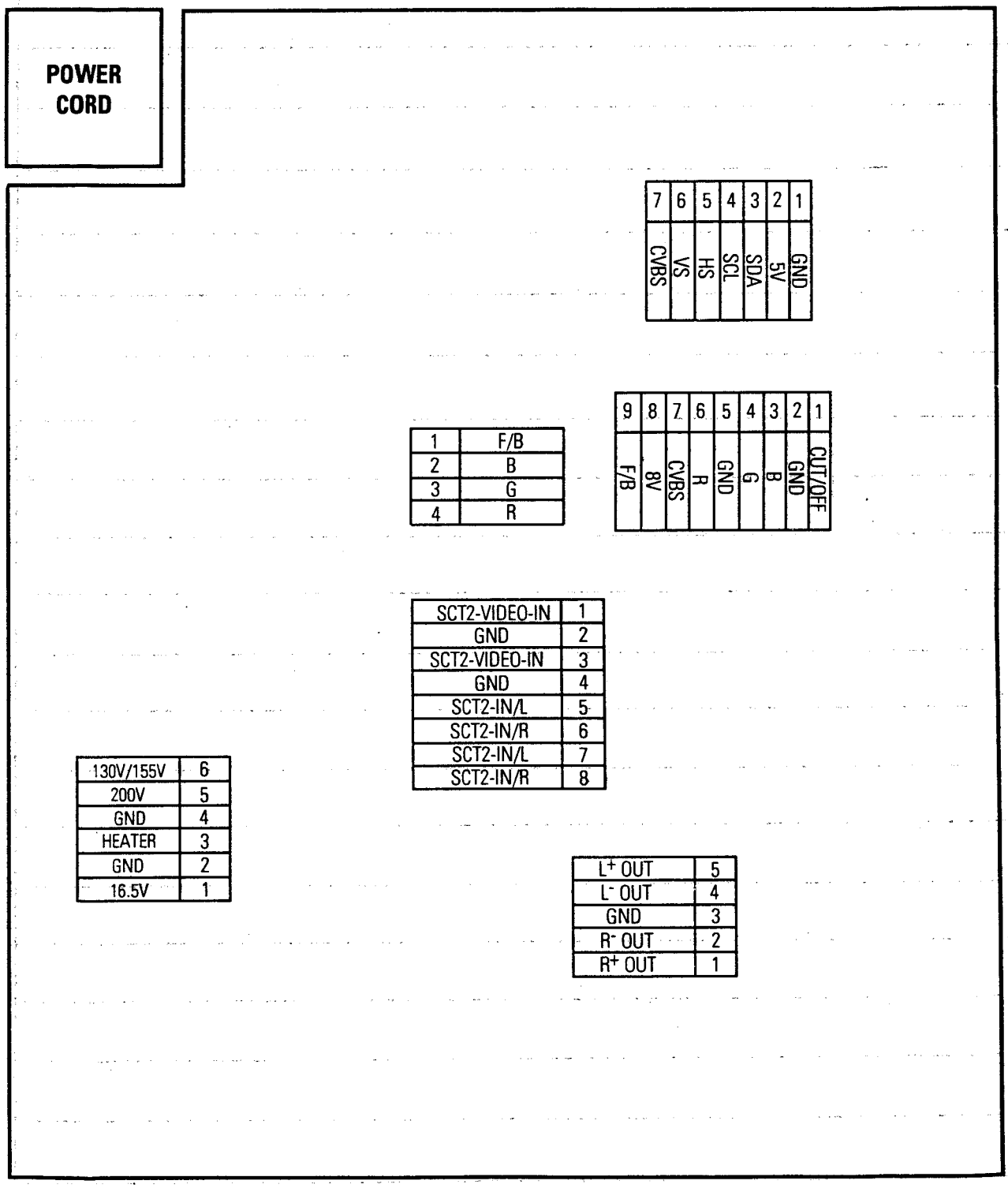
LOC NO	X	Y
DIODE		
D102	23	215
D201	159	191
D202	159	186
D203	159	181
D204	149	165
D205	108	143
D207	163	199
D208	157	196
D401	125	29
D402	127	33
D403	38	7
D404	18	7
D405	67	8
D406	43	95
D407	127	124
D408	104	88
D801	258	72
D802	223	35
D803	211	31
D804	211	41
D805	223	44
D806	174	18
D807	150	41
D808	149	67
D809	157	89
D810	246	69
D811	285	133
D812	271	69
D813	256	52
D815	241	211
D816	218	135
D901	270	147
D903	241	171
D904	256	171
D905	264	169
DN101	97	229
DZ101	63	227
DZ301	142	130
DZ401	111	37
DZ402	174	125
DZ701	36	137
DZ702	33	137
DZ703	38	137
DZ801	275	7
DZ802	255	7
DZ804	245	20
DZ805	164	7
DZ901	289	143
DZ902	314	192
DZ903	266	135
DZ904	280	139
DZ905	268	230
I. C		
HIC101	59	225
HIC801	130	7
IC201	118	218
IC202	197	193
IC203	217	187
IC301	190	112
IC401	202	130
IC601	5	199
IC801	229	13
IC802	241	233
IC803	147	12
IC804	214	145
IC901	280	208
IC902	270	227
TRANSISTOR		
Q201	93	169
Q202	143	226
Q203	161	169
Q204	42	148
Q205	156	145
Q207	168	205
Q208	185	146
Q401	120	41
Q402	129	81
Q403	91	124
Q701	166	214
Q702	53	135
Q703	53	140
Q802	141	12
Q805	256	25
Q901	298	137
Q902	313	224
Q903	266	147
Q905	294	229
Q906	289	229
Q907	285	229
Q908	240	174
Q909	251	174
QN101	93	214
QN102	171	221
QN103	171	225
QP904	252	152
QT901	297	149
OTHERS		
T201	143	216
T401	135	50
T444	57	50
T801	171	81
TU101	10	230
X201	110	171
X202	110	176
X901	259	196
XZ901	259	191
Z102	158	231
ZN102	165	231



LOC NO	X	Y
DIODE		
D501	23	66
D502	100	72
D503	57	131
D504	31	130
D505	23	106
D506	36	93
D507	92	142
D508	79	147
D509	46	77
D510	35	82
D511	13	58
D512	101	84
DV01	70	20
DV02	68	7
DV03	75	43
DV04	96	41
DV05	55	36
DV06	58	28
DV07	34	14
DV08	40	15
DVZ01	10	30
DZ501	104	141
DZ502	104	121
DZ503	20	149
DZ504	27	64
DZ505	27	76
DZ506	48	147
DZ507	18	47
I. C		
IC501	24	134
IC502	21	77
IC503	104	138
IC504	104	61
TRANSISTOR		
QV01	8	13
QV02	15	8
QV03	14	24
QV04	44	27
QV05	56	8
QV06	48	40
QV07	60	8
QV08	88	37
QV09	88	19
QV10	24	8
QV11	25	27



10. Wiring Diagram



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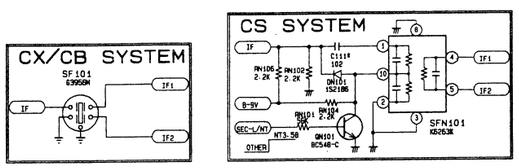
11. Schematic Diagrams

11-1 PWB-MAIN (One-Chip)



EXPRESSION
1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH and the values less than 1 in MH

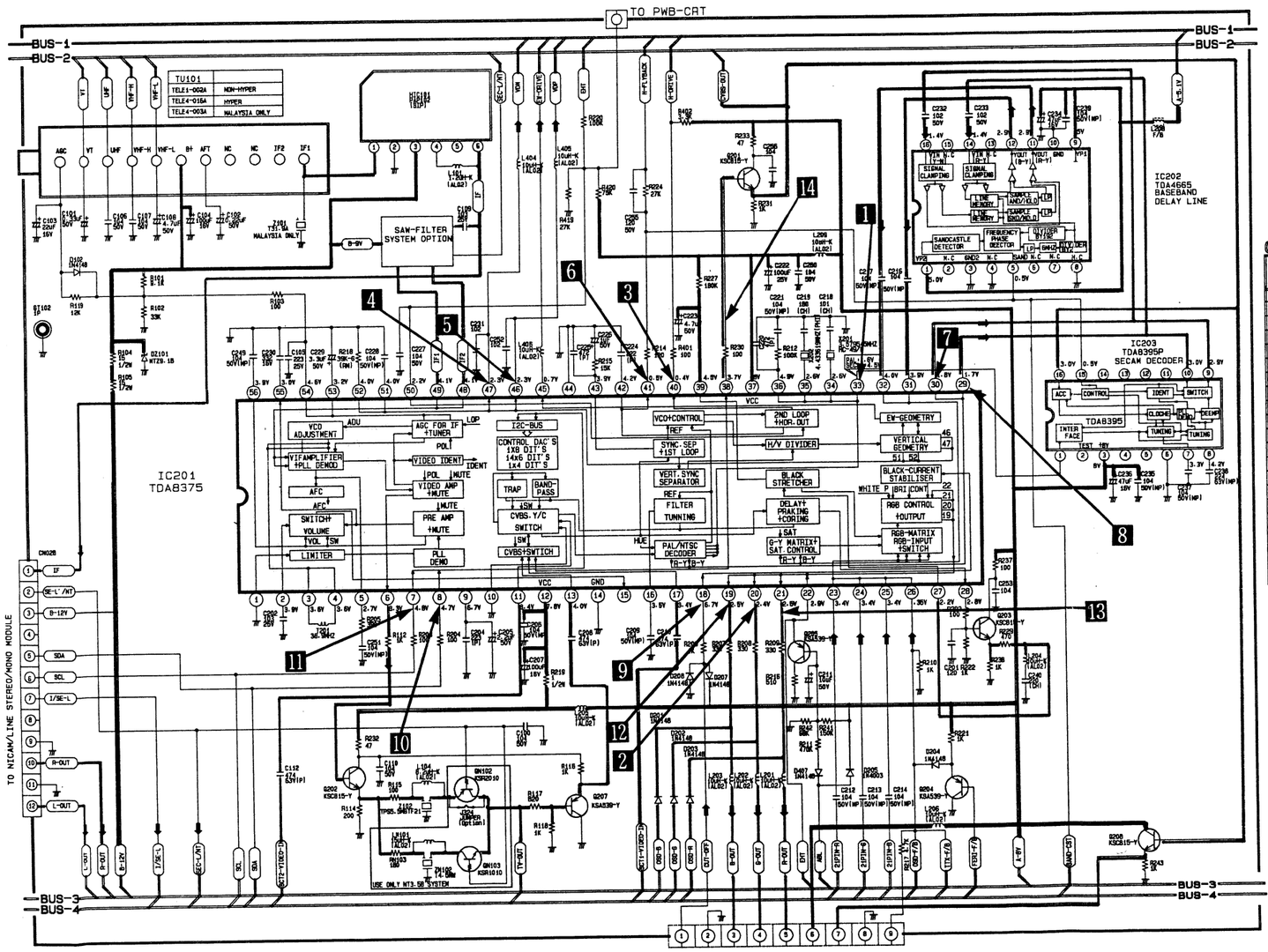
NOTE
The circuits are subject to change without notice to improve the picture quality.

WARNING : THIS RECEIVER CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS.

CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PMJ)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

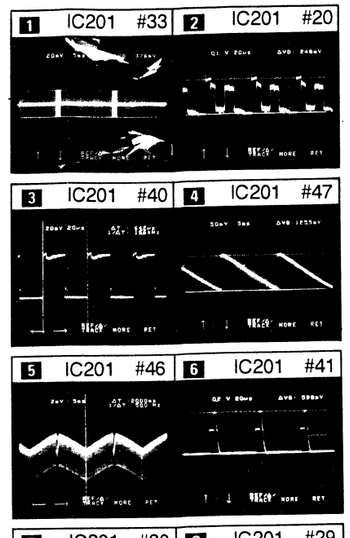
RESISTOR	
Carbon	No Mark
Composition	(QC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement Wire	(RW)
Network	(RN)

METAL PLATE CEMENT	MPC
HIGH RIPPLE	HR



OPTION LIST

LOC.NO	SYSTEM OPTION			
	CS SYSTEM	CX.CK SYSTEM	CB SYSTEM	
C1118	50V 102	JUMPER	JUMPER	
DN101	1S 2186	DELETE	DELETE	
J324	DELETE	JUMPER	JUMPER	
LM101	AL02 150UH	DELETE	DELETE	
QN101	BC-548	DELETE	DELETE	
QN102	KSR2010	DELETE	DELETE	
QN103	KSR1010	DELETE	DELETE	
R155	RD 1/8T 100	RD 1/8T 120	RD 1/8T 120	
RN101	RD 1/8T 56K	DELETE	DELETE	
RN102	RD 1/8T 2.2K	DELETE	DELETE	
RN103	RD 1/8T 180	DELETE	DELETE	
RN104	RD 1/8T 2.2K	DELETE	DELETE	
RN106	RD 1/8T 2.2K	DELETE	DELETE	
SFN101	K5263K	63956	63956	
ZN102	TPS 4.5MM	DELETE	DELETE	
Z102	TPS 5.5MB	TPS 5.5MM	TPS 5.5MB	
C235	50V 104-J	50V 104-J	DELETE	
C236	16V 47UF	16V 47UF	DELETE	
C237	50V 104-J	50V 104-J	DELETE	
C238	50V 224-J	50V 224-J	DELETE	
IC203	TDA8395P	TDA8395P	DELETE	



: Power Line : Signal Line

11-2 PWB-MAIN (Power)

EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000

2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.

3 Unless otherwise noted in schematic all inductor values arsexpressed in uH and the values less than 1 in mH.

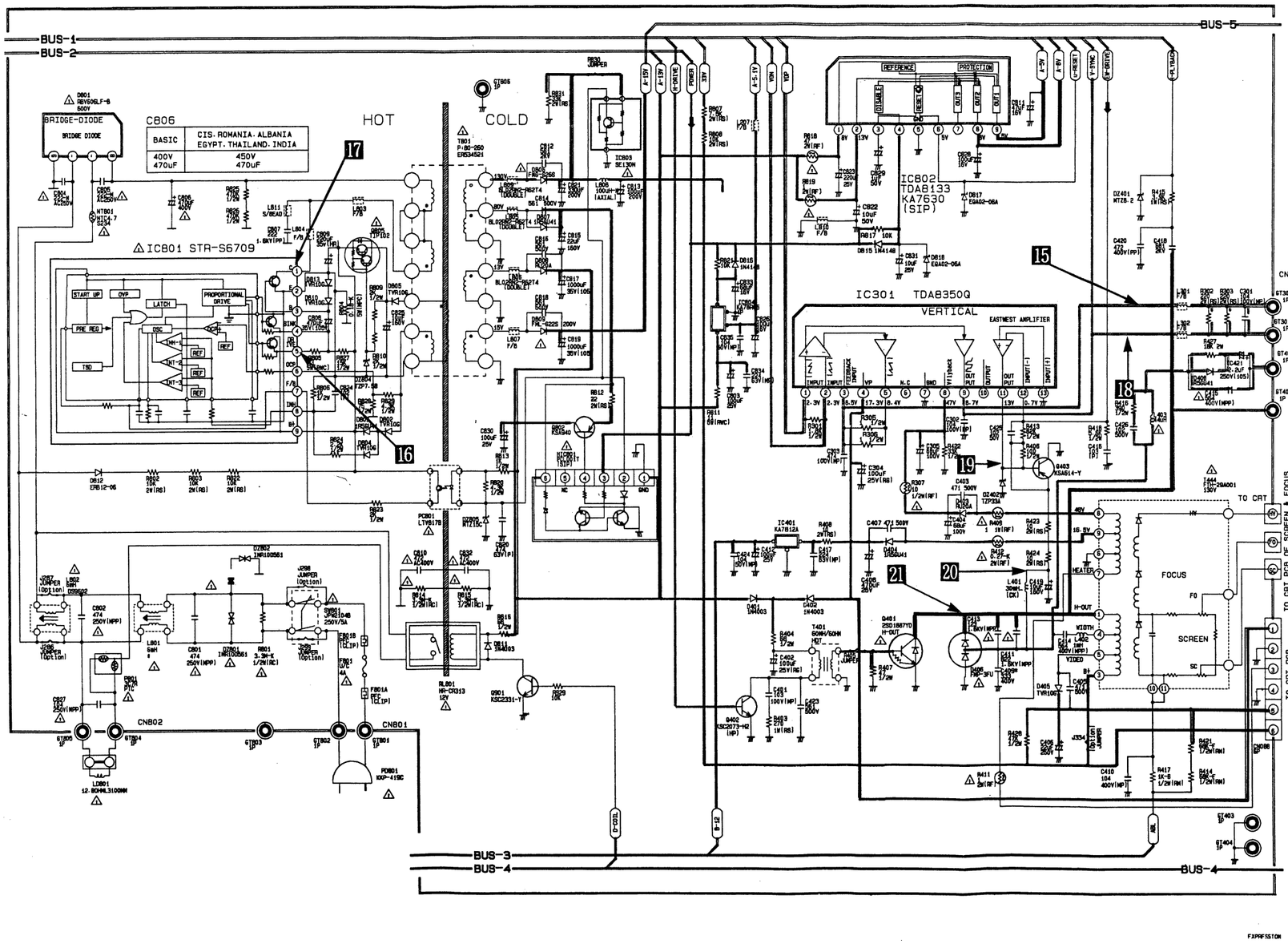
NOTE

The circuits are subject to change without notice to improve the picture quality.

WARNING : THIS RECEIVER CONTAINS SAFETY CRITICAL COMPONENTS. ALL PARTS SHOWN IN THE SHADED AREAS OF THE SCHEMATIC ARE SAFETY CRITICAL FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS. ONLY WITH MANUFACTURER'S RECOMMENDED PARTS. REFER TO PARTS LIST FOR EXACT REPLACEMENTS .

RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement-Wire	(RW)
Network	(RN)

CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PM)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

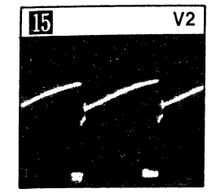


OPTION-TABLE

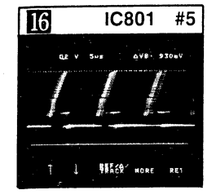
LOC-NO.	SEC-CRT	PHILIPS-CRT	TTSEC/YS
C411	1.6KV-822	1.6KV-392	1.6KV-822
C413	1.6KV-123	1.6KV-632	1.6K-772
C415	400V-564	400Y-274	400V-364
C422	"	2KV-561	"
IC803	SE130N	SE140N	SE130N
L403	44uH	22uH	33uH
R301	1/2W-1.8K	1/2W-2.2K	1/2W-1.8K
R413	1/2W-82K	1/2W-68K	1/2W-47K
R414	1/2W-68K-F	1/2W-91K-F	1/2W-91K
R421	1/2W-68K-F	1/2W-79K-F	1/2W-91K
R423	2W-10(RF)	2W-0.68(RF)	2W-1.2
R424	2W-10(RF)	2W-0.68(RF)	JUMPER
R426	"	3W-3.6(RW)	2W-7.5K
R807	2W-7.5K	2W-12K	2W-7.5K
R811	5W-22	5W-11	5W-22
R830	"	1/2W-4.7K	"
T444	FTH29A001	FTH29A002	FTH29A001
T801	130V	150V	130V
C414	400V-564	400Y-564	400Y-434
L401	30mH	30mH	1mH
R527	2W RF 0.47		1W RF 2.4

	25 INCH	29 INCH
R414	1/2 79K-F	1/2 68K-F
R421	1/2 79K-F	1/2 68K-F
L402	1.5MH	1MH

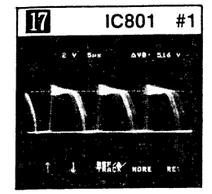
15 V2



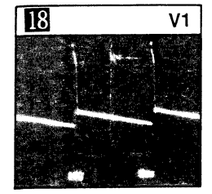
16 IC801 #5



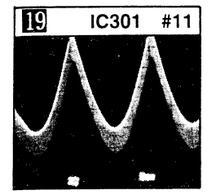
17 IC801 #1



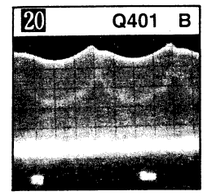
18 V1



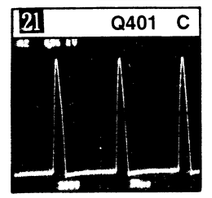
19 IC301 #11



20 Q401 B



21 Q401 C



——— : Power Line ——— : Signal Line

1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in u/d. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH.and the values less than 1 in mH.

NOTE
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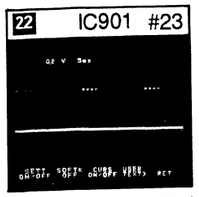
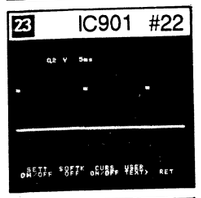
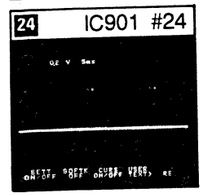
22 IC901 #23

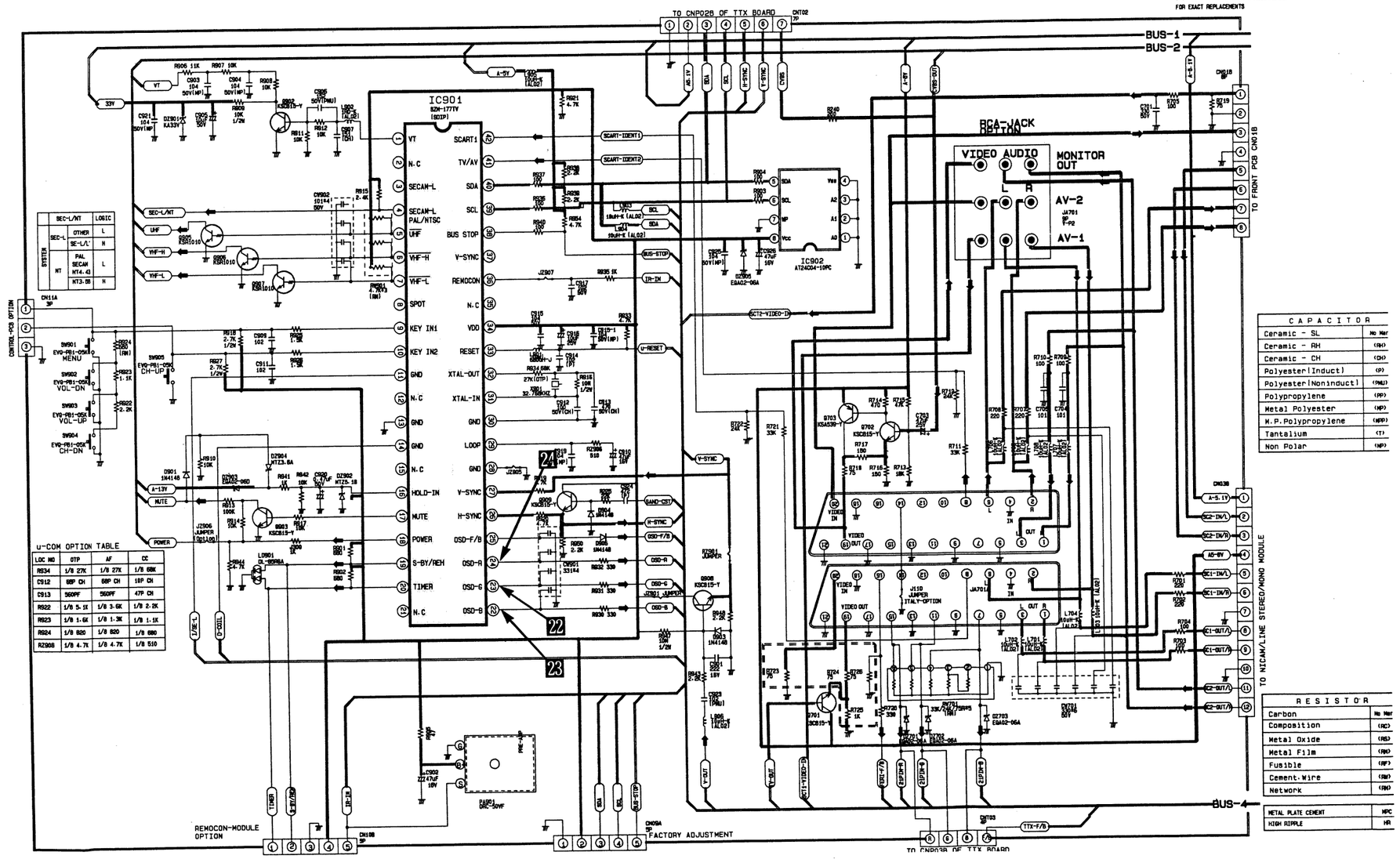


23 IC901 #22



24 IC901 #24



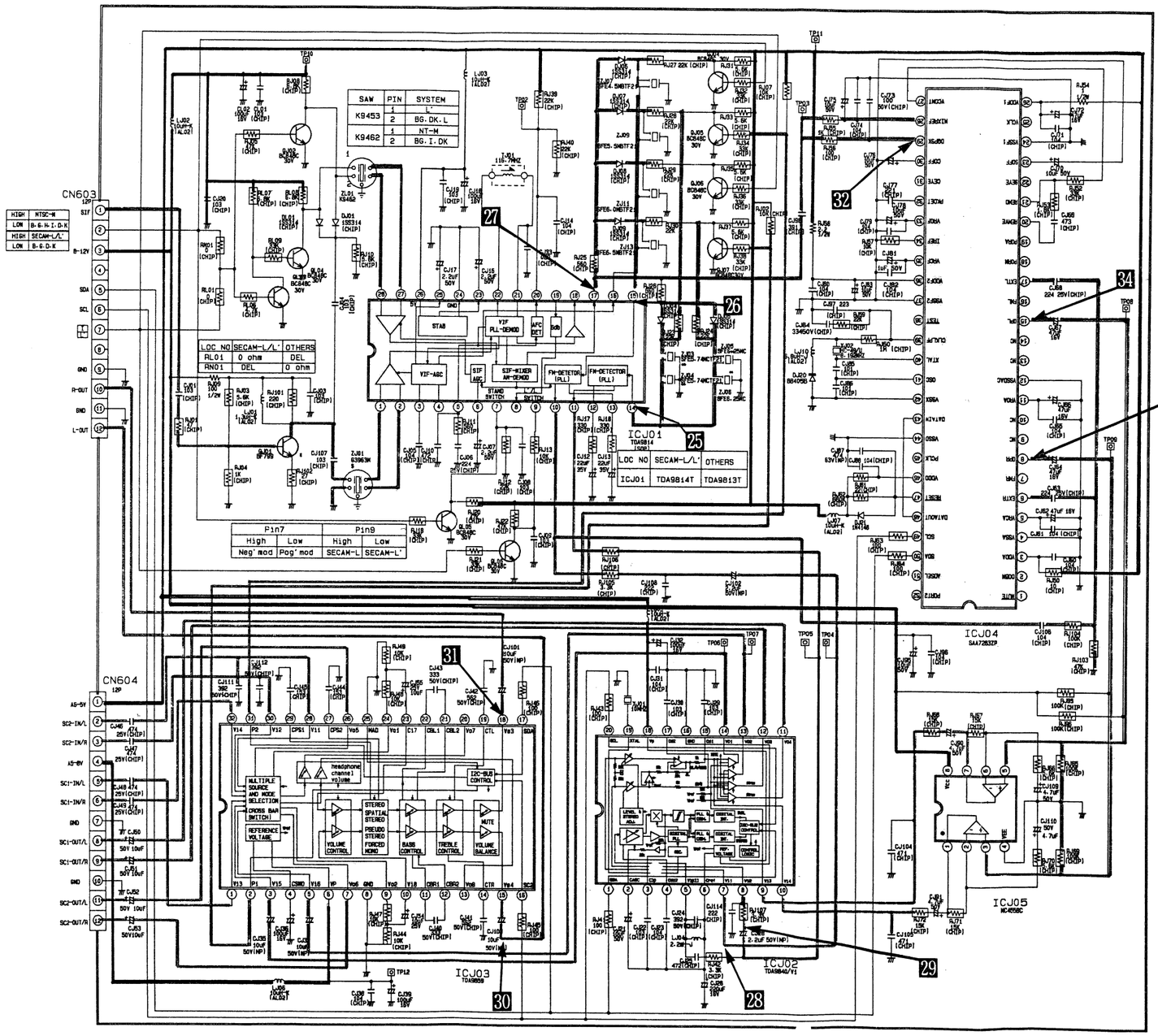


CAPACITOR	
Ceramic - SL	No Mar
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PAL)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

RESISTOR	
Carbon	No Mar
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement.Wire	(RW)
Network	(RN)

METAL PLATE CEMENT	MPC
HIGH RIPPLE	HR

——— : Power Line ——— : Signal Line



EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000

2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pf.

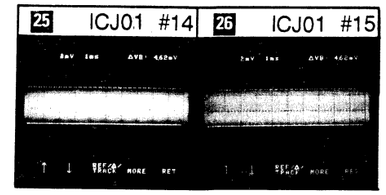
3 Unless otherwise noted in schematic all inductor values areexpressed in uH.and the values less than 1 in mH.

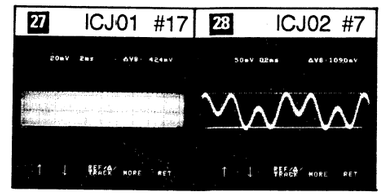
NOTE

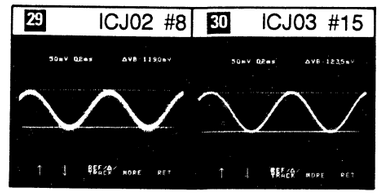
The circuits are subject to change without notice to improve the picture quality.

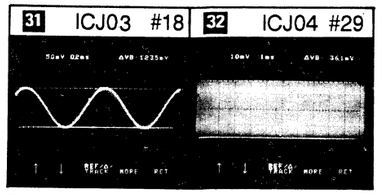
CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PM)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

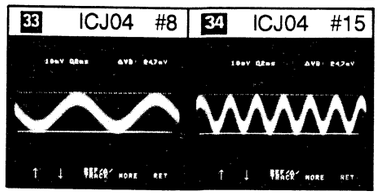
RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement-Wire	(RW)
Network	(RN)



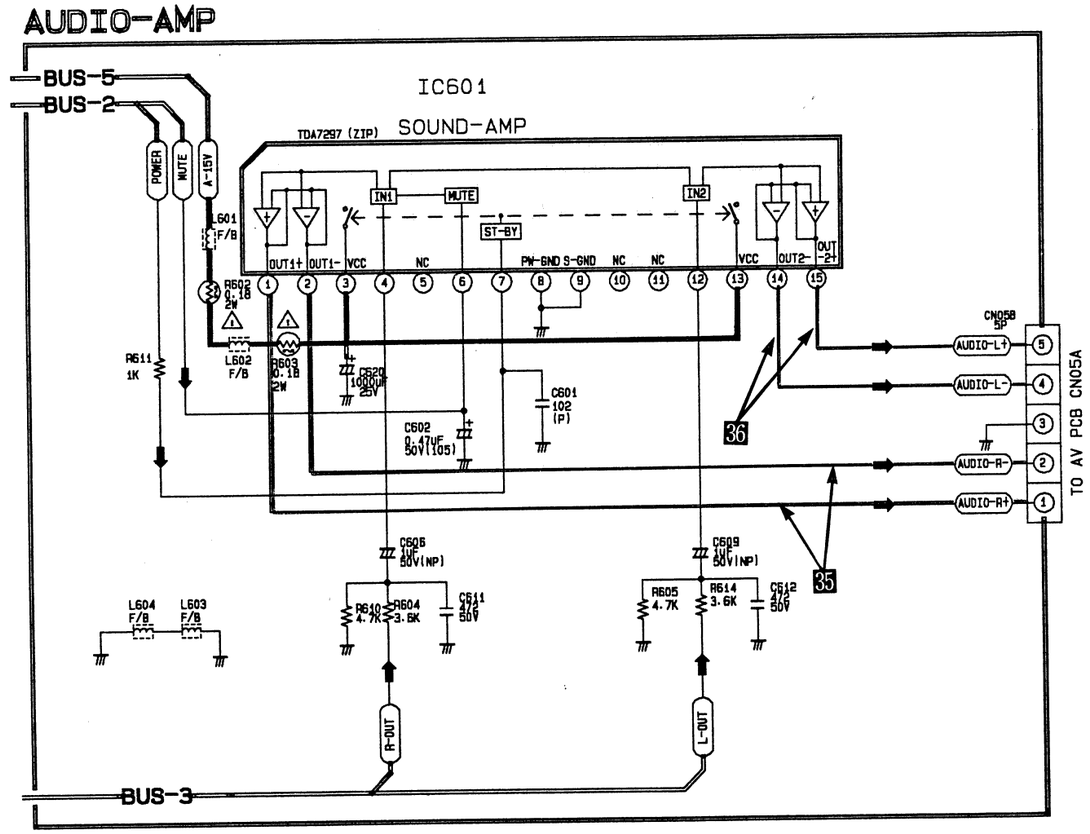




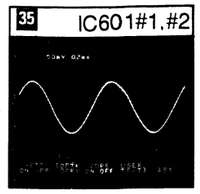




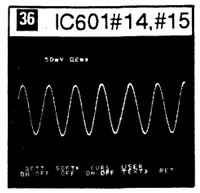
——— : Power Line ——— : Signal Line



35 IC601#1,#2



36 IC601#14,#15



EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH. and the values less than 1 in mH.

NOTE

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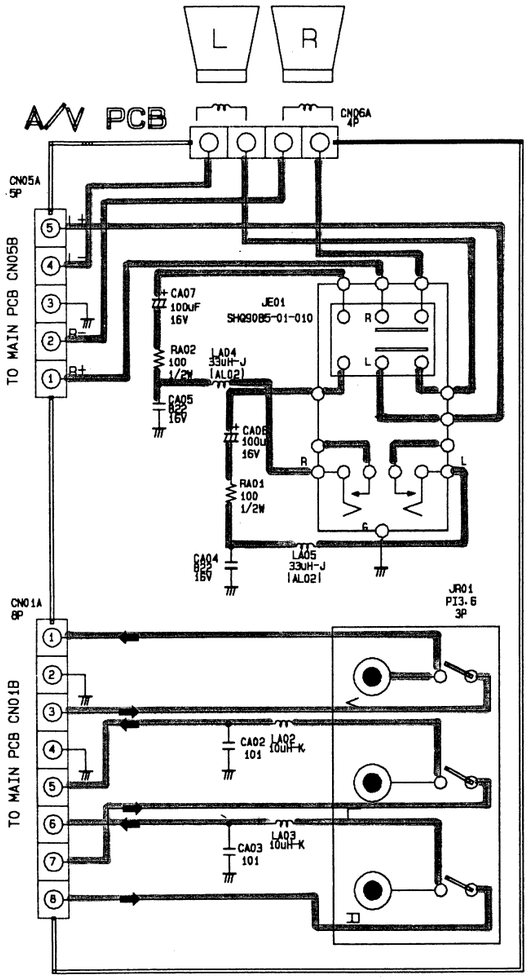
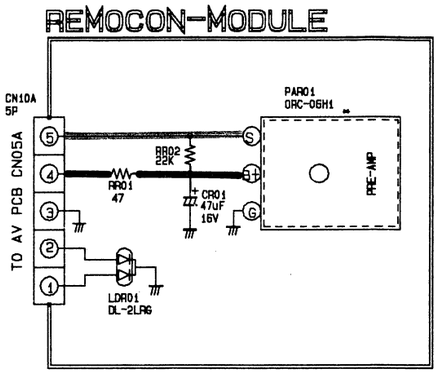
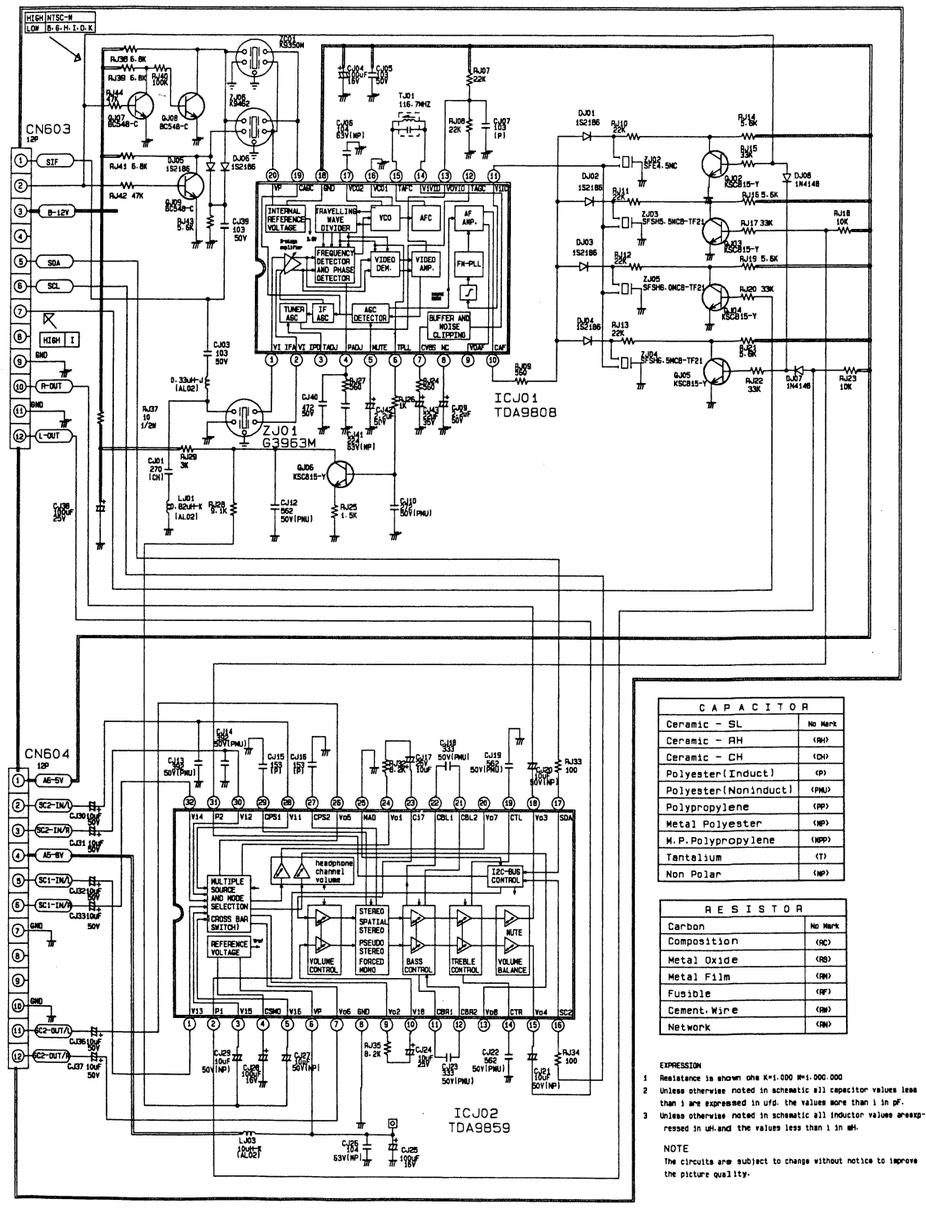
CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PNU)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RM)
Fusible	(RF)
Cement.Wire	(RW)
Network	(RN)

——— : Power Line ——— : Signal Line







EXPRESSION

1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH and the values less than 1 in mH.

NOTE

The circuits are subject to change without notice to improve the picture quality.

RESISTOR	
Carbon	(RC)
Composition	(RS)
Metal Oxide	(RN)
Metal Film	(RF)
Fusible	(RW)
Cement. Wire	(RW)
Network	(RN)

CAPACITOR	
Ceramic - SL	(RH)
Ceramic - RH	(CH)
Ceramic - CH	(P)
Polyester(Induct)	(PMJ)
Polyester(Noninduct)	(PP)
Polypropylene	(MP)
Metal Polyester	(MPP)
M.P.Polypropylene	(T)
Tantalium	(NP)
Non Polar	

CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester(Induct)	(P)
Polyester(Noninduct)	(PMJ)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement.Wire	(RW)
Network	(RN)

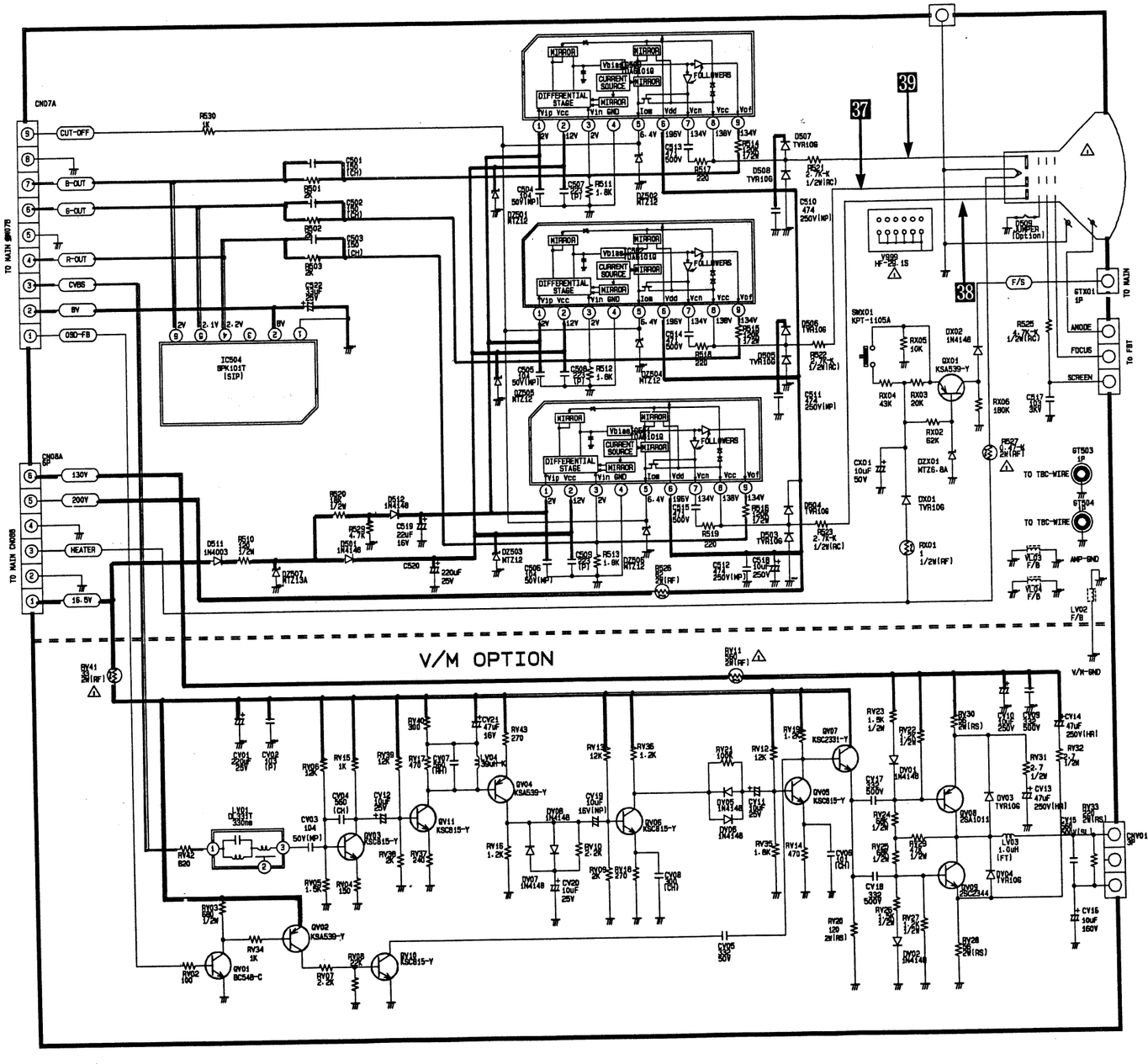
EXPRESSION

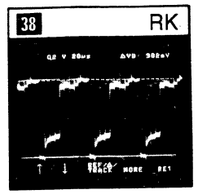
1 Resistance is shown ohm K=1.000 M=1.000.000
2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
3 Unless otherwise noted in schematic all inductor values areexpressed in uH and the values less than 1 in mH.

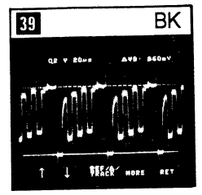
NOTE

The circuits are subject to change without notice to improve the picture quality.

——— : Power Line ——— : Signal Line







CAPACITOR	
Ceramic - SL	No Mark
Ceramic - RH	(RH)
Ceramic - CH	(CH)
Polyester[Induct]	(P)
Polyester[Noninduct]	(PNU)
Polypropylene	(PP)
Metal Polyester	(MP)
M.P.Polypropylene	(MPP)
Tantalium	(T)
Non Polar	(NP)

RESISTOR	
Carbon	No Mark
Composition	(RC)
Metal Oxide	(RS)
Metal Film	(RN)
Fusible	(RF)
Cement-Wire	(RW)
Network	(RN)

EXPRESSION

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2 Unless otherwise noted in schematic all capacitor values less than 1 are expressed in ufd. the values more than 1 in pF.
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NOTE

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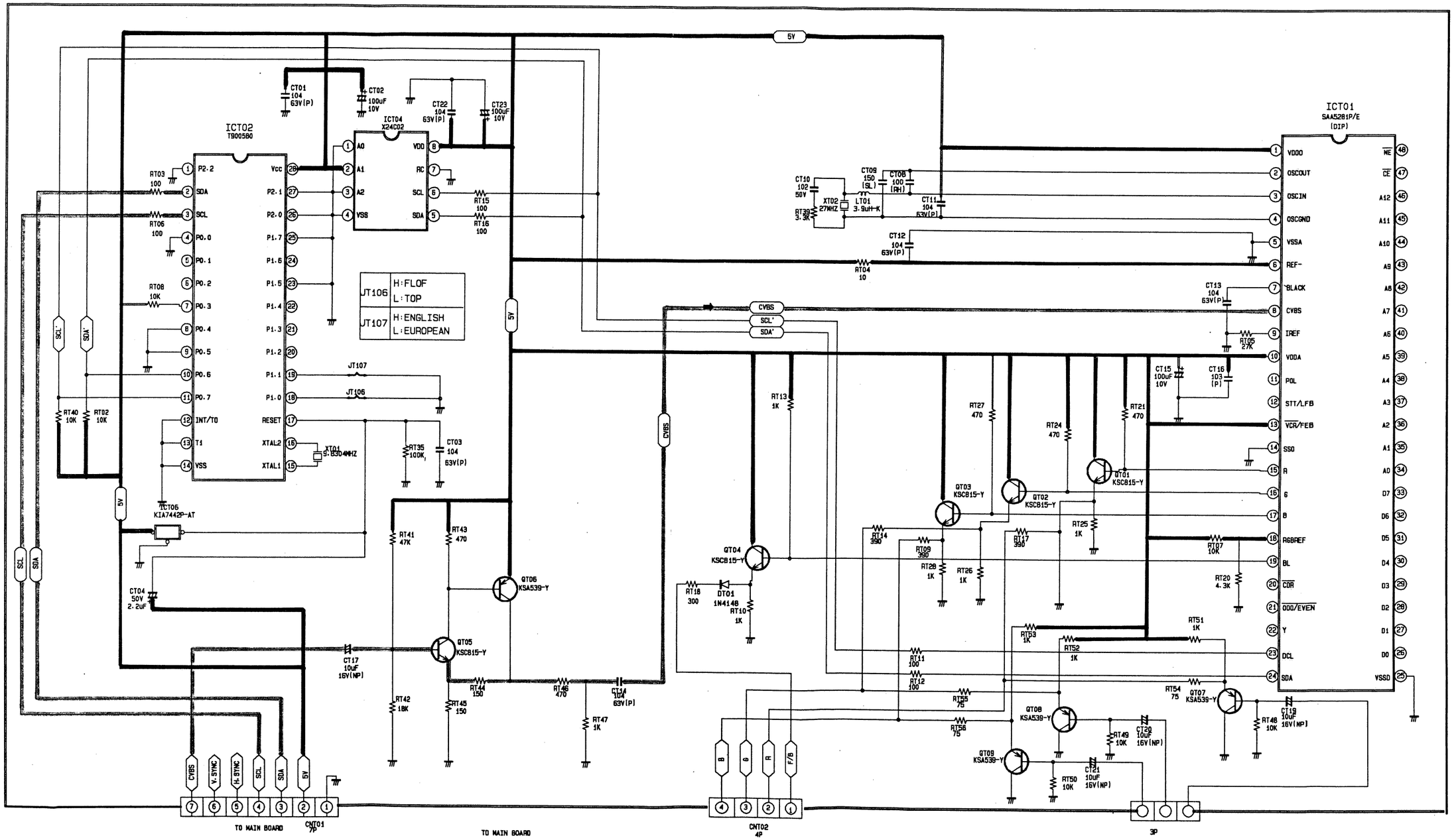
———— : Power Line ———— : Signal Line


ICT01
SAA5281P/E
(DIP)
ICT02
T900580
ICT04
X24C02
ICT05
KIA7442P-AT
5V
SCL
SDA
CVBS
H:FLOF
L:TOP
H:ENGLISH
L:EUROPEAN
JT106
JT107
TO MAIN BOARD
CNT01
7P
CNT02
4P
3P
: Power Line
: Signal Line